



Saskatchewan
Ministry of
Agriculture



MANAGEMENT

Farm Machinery

Custom and Rental Rate Guide 2008-09



**Farm Machinery
Custom and Rental
Rate Guide
2008-2009**

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INTRODUCTION

This publication gives detailed information regarding guidelines for machine ownership, operating costs, custom rates and rental rates for farm machinery. **This information is provided as a guideline and should be interpreted and adjusted for individual situations.**

The costs calculated in this publication use the list price less a discount to arrive at an average selling price of a new machine. Machine companies may reduce the actual selling price of the machinery below their suggested retail prices. The intent of this publication is to estimate both the ownership (fixed) and operating (variable) costs of owning machinery.

The farmer who has already invested in a machine for his/her own use may be in a position to do custom work for a neighbour for the suggested custom rate, less some portion of the investment cost, and still realize a return. A farmer doing work for a neighbour would need to charge at least enough to cover the operating (variable) costs of the equipment, and an amount to cover labour costs.

There may be individuals who have a custom farming business. In this instance, all costs that are calculated must be included, plus overhead costs (transportation, liability insurance, utility costs, advertising, shop equipment). Custom operators should determine these overhead costs before establishing their rates.

Assumptions

1. Interest on investment is calculated at 5.5 per cent and assumes machinery investment is 50 per cent owned, and 50 per cent borrowed. The interest rate is calculated by averaging the five-year term deposit rate, with the five-year machinery loan interest rate.
2. Diesel fuel is charged at \$1.05 per litre; gasoline is charged at \$0.99 per litre. The Saskatchewan fuel tax of \$0.15 per litre on diesel fuel has been removed, as both farmers and custom operators are eligible for this exemption. **The five per cent Goods and Services Tax (GST) was deducted in calculating the gasoline and diesel prices because custom operators and farmers can apply for an input tax credit on these items.**

At the time of printing, farmers and custom operators were also eligible for a \$.12 per litre Saskatchewan tax exemption on their gasoline purchases used in the farming operation. For further information, contact the Farm Fuel Program in Regina, toll free at 1-800-667-7587. Oil and grease is charged at \$0.40 per hour for each 100 horse power.

3. Labour is charged at \$13 per hour.
4. Propane is charged at \$0.65 per litre.

Explanation of Custom Rate Guide Tables

The first section of this publication is a summary of selected custom farming operations and the custom rate for each operation. The following pages contain detailed calculations that were used to arrive at the rental or custom rate for specific farm equipment. This detailed information is provided in a table format that includes:

1. machine costs per hour,
2. machine rental per hour, and
3. custom work rates.

Machine Cost Per Hour Table

The basis for calculating the machine cost data is the cost of **new** equipment. This information was collected in February and March 2008 using the most current equipment pricing guides of the major equipment manufacturers and various shortline manufacturers. The manufacturers' suggested retail price was discounted 10 per cent on machines valued up to \$50,000, 15 per cent for machines valued between \$50,000 and \$100,000, and 18 per cent for machines valued over \$100,000.

The machine cost data is given for a wide variety of farm equipment under different ranges of annual hours of use. The data is specific to each individual machine and includes fixed costs (depreciation, investment cost, insurance and housing) and variable costs (repairs, fuel, oil and grease). The total per hour cost figure is the total cost of owning and operating that particular machine.

Machine Rental Per Hour Table

The rental rates section deals specifically with renting equipment for **short time periods**. The rates are not designed as lease rates. The rates should not be used for long-term or seasonal lease arrangements.

Rental rates are calculated by adding the fixed costs (ownership costs) and repair costs to arrive at the basic rental costs. The margin is calculated by multiplying the basic rental costs by 15 per cent. The margin is added to cover risk, profit and management. The rental rates include an allowance for repair only. The renter is responsible for fuel and lubrication. No account is made to cover neglect by the renter. In the case of neglect, a settlement between the parties involved must be negotiated.

The rental rate is the total of the basic rental costs and the 15 per cent margin. The rental rates are specific to each machine. If a complement (tractor and machine) is rented, the rental rate would be the total of the two machine rental rates.

The average rental rate is listed in each category of machines as a guide, and is calculated using the average rental rate for the middle number of hours of use.

Custom Work Rates Table

The custom work rates section deals specifically with rates for custom work, including both the machine(s) and operator. The basic custom work costs are calculated by summing the total costs of the power unit (if applicable), machine, and the labour allowance per hour. A margin to cover risk, profit, management and an incentive for the operator is calculated by multiplying the basic custom work rates by 15 per cent. The custom rate is then determined by adding the basic custom work rate and the margin. In all cases, a basic labour rate of \$13.00 per hour is used. The average custom rate is calculated for the middle number of hours of use for all machines.

In the case of drawn equipment, a power unit suitable to that machine being drawn has been selected, and the total cost of both the power unit and the drawn machine have been added together to arrive at an overall total cost for that operation.

The information provided in all three segments of the table is based on average conditions and should be used as guides only.

Additional points to consider when negotiating a custom work agreement are outlined in Appendix H, along with a sample of a custom farming agreement.

An additional aid in calculating custom rates is Alberta's Farm Machinery Cost Calculator. It is available on the Government of Alberta website at: **www.agric.gov.ab.ca**.

The information in this guide is available on the Saskatchewan Agriculture website, along with many other publications produced by the Saskatchewan Ministry of Agriculture.

For copies of this document, contact the Agriculture Knowledge Centre at 1-866-457-2377, or visit **www.agriculture.gov.sk.ca** to download a copy of this guide.

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Classification of Air Drills, Air Seeders and Zero Till Drills

There are several types of air seeding and zero till seeding tools. This classification should help to remove uncertainty as to which category air seeders and zero till seeders fit into. The following classification for air drills, air seeders and zero till gravity drills has been developed with the assistance of the Prairie Agricultural Machinery Institute (PAMI).

Air Disk Drill

- integral on-row packer wheels are incorporated in to the design that supports the rear half of the drill
- an air system is used to deliver the seed and fertilizer
- high clearance
- heavy duty trips
- generally used to seed into untilled soil
- speed used in work rate calculation of approximately 4.5 m.p.h.
- also includes side banding air disk drills with gauge packers

Air Hoe Drills

- integral on-row packer wheels are incorporated in to the design that supports the rear half of the air hoe drill
- also includes side banding air hoe drills with individual gauge packers
- an air system is used to deliver the seed and fertilizer
- high clearance
- heavy duty trips (400 lb.+)
- generally used to seed into untilled soil
- speed used in work rate calculation of approximately 4.5 m.p.h.

Air Seeders

- a cultivator-type tillage tool, with in-frame wheels, equipped with sweep-type openers using an air system to deliver the seed and fertilizer
- no on-row packer wheels
- typically followed by a harrow packer
- speed used in work rate calculation of approximately 5.5 m.p.h.

Drills, Zero Till Gravity Disk

- capable of seeding directly into untilled soil using narrow openers to minimize soil disturbance
- a gravity system is used to deliver the seed and fertilizer
- has on-row packer wheels
- may be single-shoot or double-shoot system
- speed used in work rate calculation of approximately 4.5 m.p.h.

How To Use This Publication

1. Use the table of contents to locate the machine. Equipment is divided into the following sections:

- a. Powered Equipment
- b. Drawn Equipment - Grain
- c. Drawn Equipment - Livestock and Forage
- d. Drawn Equipment - Miscellaneous

Equipment is listed alphabetically within each section.

2. Locate the size of machine to be used and the number of hours of annual use (if you are unsure of the annual hours of work, use the middle rate). The rental rate per hour and custom rate are calculated for each amount of usage. Mathematical rounding of some of the calculations may cause an error of one or two cents. The calculated custom rate is the correct figure.

3. **Calculating a custom rate for used equipment**

If you require a custom rate for used equipment or for a number of hours not included in this publication, you can calculate your own custom rate using the blank worksheet in Appendix D. If the machine is not listed in this publication, use the appropriate cost formula from Appendix F, for a similar machine. The blank worksheet in Appendix D can also be used to calculate a custom rate using a different number of annual hours of use. If your machine has a lower value than the one in this publication, you can use the lower value to calculate the machine's investment cost. However, you should use the original cash cost to calculate repair costs. Using a value less than the original cash cost will underestimate repair costs.

4. Some operations, such as seeding, fertilizing or spraying, require the use of a truck to haul seed, fertilizer or water to the field. The cost of the truck has not been included in the spraying or fertilizing custom rates. For an example of calculating truck usage, see Appendix A.
5. Power units have been matched with drawn implements for average working conditions. Some soils may require a larger power unit than the one required for average conditions. Some operations, in certain conditions, could be performed using a smaller power unit than the one used in this publication.
6. This publication uses the cost approach of calculating custom rates. The cost approach may differ from the custom rate normally charged by custom operators for some operations. **In reality, the forces of supply and demand will determine the custom rates charged by custom operators.**

Summary of the Average Calculated Custom Rates

The following list is a summary of selected custom farming operations and their calculated custom rates. These are calculated rates only, and require adjustment for individual situations. The average calculated custom rate is the average of the custom rates for each size of a particular machine for the middle number of hours of annual usage. **Exercise caution when using these "average" figures, as they may not reflect actual situations.**

2008/2009 Average Calculated Custom Rates

	<u>*Average Custom Rate</u>		<u>*Average Custom Rate</u>
Powered Equipment			
Bale Wagons SP	\$ 0.63/bale	Tractors 4WD 100-130 hp	84.38/hr
Combines with flex header	23.40/ac	400-425 hp	140.45/hr
Grain Augers (7", 38-45 ft.) plus margin (15%)	16.33/hr	Trucks pick-up ¾ ton	61.96/hr
Sprayers SP (additional costs included)	2.97/ac	Trucks grain 1 ton	94.44/hr
Swathers SP	15.27/ac	Trucks grain 3 ton	136.82/hr
Tractors 2WD 50-59 hp	33.15/hr	Trucks grain 4 ton	168.27/hr
180-199 hp	101.52/hr		
Drawn Equipment - Grain			
Air Disk Drills	\$18.57/ac	Grain Conveyors PTO (15" belt, 60-65 ft.)	\$0.0087/bu
Air Hoe Drills	15.54/ac	Grain Dryers, Batch/Continuous (each % dried)	.11/bu
Air Seeders	12.52/ac	Grain Carts 1,100 bu	73.81/hr
Anhydrous Ammonia Applicators	9.06/ac	Grain Vacs	.04/bu
Cultivators, Field	6.25/ac	Granular Herbicide Applicators - Cult. Mount	.65/ac
Cultivators, Heavy Duty	6.81/ac	Granular Herbicide Applicators - Trailer Type	1.85/ac
Disks, Heavy Breaking	20.14/ac	Harrows, Standard 5 Bar Tine	2.97/ac
Disks, Heavy Tandem	9.46/ac	Harrows, Heavy	2.38/ac
Drills, Disk Press	10.33/ac	Harrow Packers	4.85/ac
Drills, Zero Till Gravity Disk	16.97/ac	Land Rollers	5.16/ac
Fertilizer Spreaders	3.09/ac	Plows	20.32/ac
Grain Augers PTO (8", 40-51 ft.)	.0141/bu	Rock Pickers, 3 Paddle Hydraulic	85.93/hr
Grain Augers PTO (10", 50-60 ft.)	.0097/bu	Rock Pickers, Extra Large	94.19/hr
Grain Augers PTO (13", 60-90 ft.)	.0107/bu	Rock Rakes 20 ft.	72.02/hr
		Rock Pickers-Rock Rakes 20-22 ft. hyd	96.70/hr
		Sprayers, PTO (hauling water incl.)	4.60/ac
		Swathers, Single Swath	5.91/ac
		Swath Rollers	.14/ac
Drawn Equipment - Livestock and Forage			
Bale Movers, 7-8 Bales	\$ 75.28/hr	Mower Conditioners-Sickle	\$ 15.33/ac
Bale Movers, 14-16 Bales	126.30/hr	Mowers, Sickle	11.90/ac
Bale Processors	94.93/hr	Post Pounders 350 lb. hammer	47.71/hr
Balers Large Round 5'x6' (twine incl)	11.30/bale	Rotary Cutter, 10 ft. trailing	67.56/hr
Balers, Standard, 14"x18" (twine incl)	.51/bale	Trailers, Livestock, 16 ft. Bumper	71.29/hr
Balers, Large Rectangular (twine incl)	8.61/bale	Tub Grinder 8 T	95.12/hr
Bale Wagons, PTO	.56/bale	Vertical Feed Mixers 600-1,000 ft. ³	118.44/hr
Forage Harvesters, Medium	149.09/hr	Front-end Loaders, 70-140 hp	63.52/hr
Grinder Mixer, 500-600 bu	90.92/hr	Scraper, 5.5-6.5 yd.	131.10/hr
Hay Rake, 15 ft. wheel	5.37/ac	Snow Blowers, 8 ft. Front Mount	114.79/hr
Manure Spreaders 140-199 ft ³	60.37/hr	Snow Blowers, 8 ft Rear Mount	62.65/hr
Custom Trucking			
Custom Rate from farm to market is \$0.14/bu for the first three miles plus \$0.019/bu for each additional mile.		* Custom Rate from field to yard hauling from one combine is \$0.18/bu for the first mile plus \$0.016/bu for each additional mile.	

*Exercise caution when using these "average" figures as they may not reflect actual situations.

POWERED EQUIPMENT

				MACHINE COMPONENT COSTS PER HOUR						MACHINE RENTAL PER HOUR			CUSTOM WORK RATES					
MACHINE SIZE	ORIG. COST	ANN. HOURS OF USE	FUEL TYPE AND LITRE /HOUR	FIXED COST \$/HR	REPAIR COST \$/HR	FUEL COST \$/HR	LUBE & OIL COST \$/HR	TOTAL PER HR. COST NO LABOUR \$/HR	LAB. COST \$/HR	BASIC RENTAL COSTS \$/HR	MARGIN \$/HR	RENTAL RATE \$/HR	BASIC CUSTOM WORK RATES \$/HR	MARGIN \$/HR	CUSTOM RATE \$/HR	WORK RATE	CALC. CUSTOM RATE	
BALE WAGONS																		
SP																	\$/BALE	
160 BALE (100 HP)	138600	60	23	211.78	46.20	24.15	0.4	282.53		257.98	38.70	296.67	295.53	44.33	339.86		0.91	
		100	(D)	138.95	27.72	24.15	0.4	191.22	13.00	166.67	25.00	191.67	204.22	30.63	234.85	375	0.63	
		140		108.39	19.80	24.15	0.4	152.74		128.19	19.23	147.41	165.74	24.86	190.60	BL/HR	0.51	
Average Rental Rate per Bale										0.51			Average Custom Rate per Bale					0.63
COMBINES SP CONVENTIONAL - NO HEADER																		
CLASS 5	176600	120		161.12	47.09	26.25	0.76	235.22		208.21	31.23	239.44	245.22	37.23	285.46			
<300hp<250bu hopper		150	25	135.69	37.67	26.25	0.76	200.37		173.36	26.00	199.37	213.37	32.01	245.38			
		180	(D)	119.76	31.40	26.25	0.76	178.17	13.00	151.16	22.67	173.83	191.17	28.68	219.84			
		350		73.73	16.15	26.25	0.76	116.89		89.88	13.48	103.36	129.89	19.48	149.37			
CLASS 6	215500	120		196.61	57.47	31.50	0.98	286.56		254.08	38.11	292.19	299.56	44.93	344.49			
300hp<300bu hopper		150	30	165.58	45.97	31.50	0.98	244.03		211.55	31.73	243.28	257.03	38.55	295.58			
		180	(D)	146.14	38.31	31.50	0.98	216.93	13.00	184.45	27.67	212.12	229.93	34.49	264.42			
		350		89.98	19.70	31.50	0.98	142.16		109.68	16.45	126.13	155.16	23.27	178.43			
CLASS 7	243400	120		222.06	64.91	36.75	1.12	324.84		286.97	43.05	330.02	337.84	50.68	388.52			
>300hp<300bu hopper		150	35	187.01	51.93	36.75	1.12	276.81		238.94	35.84	274.78	289.81	43.47	333.28			
		180	(D)	165.06	43.27	36.75	1.12	246.20	13.00	208.33	31.25	239.58	259.20	38.68	298.09			
		350		101.62	22.25	36.75	1.12	161.75		123.88	18.58	142.46	174.75	26.21	200.96			
CLASS 7+	278300	120		253.90	74.21	42.00	1.12	371.24		328.12	49.22	377.34	384.24	57.64	441.87			
>350hp<300bu hopper		150	40	213.83	59.37	42.00	1.12	316.32		273.20	40.98	314.18	329.32	49.40	378.72			
		180	(D)	188.73	49.48	42.00	1.12	281.33	13.00	238.21	35.73	273.94	294.33	44.15	338.48			
		350		116.20	25.44	42.00	1.12	184.76		141.64	21.25	162.89	197.76	29.66	227.42			
COMBINES SP ROTARY - NO HEADER																		
CLASS 5	197600	120		180.28	52.69	26.25	0.80	260.02		232.97	34.95	267.92	273.02	40.95	313.97			
<300hp<250bu hopper		150	25	151.82	42.15	26.25	0.80	221.03		193.98	29.10	223.07	234.03	35.10	269.13			
		180	(D)	134.00	35.13	26.25	0.80	196.18	13.00	169.13	25.37	194.50	209.18	31.38	240.56			
		350		82.50	18.07	26.25	0.80	127.62		100.57	15.09	115.65	140.62	21.09	161.71			
CLASS 6	235000	120		214.40	62.67	31.50	1.00	309.57		277.07	41.56	318.63	322.57	48.38	370.95			
300hp<300bu hopper		150	30	180.56	50.13	31.50	1.00	263.19		230.69	34.60	265.30	276.19	41.43	317.62			
		180	(D)	159.37	41.78	31.50	1.00	233.64	13.00	201.14	30.17	231.32	246.64	37.00	283.64			
		350		98.12	21.49	31.50	1.00	152.10		119.60	17.94	137.54	165.10	24.77	189.87			
CLASS 7	255400	120		233.01	68.11	36.75	1.20	339.07		301.12	45.17	346.29	352.07	52.81	404.88			
>300hp<300bu hopper		150	35	196.23	54.49	36.75	1.20	288.67		250.72	37.61	288.33	301.67	45.25	346.92			
		180	(D)	173.20	45.40	36.75	1.20	256.56	13.00	218.61	32.79	251.40	269.56	40.43	309.99			
		350		106.63	23.35	36.75	1.20	167.94		129.99	19.50	149.48	180.94	27.14	208.08			
CLASS 7+	282000	120		257.28	75.20	42.00	1.20	375.68		332.48	49.87	382.35	388.68	58.30	446.98			
>350hp<300bu hopper		150	40	216.67	60.16	42.00	1.20	320.03		276.83	41.52	318.35	333.03	49.95	382.98			
		180	(D)	191.24	50.13	42.00	1.20	284.57	13.00	241.37	36.21	277.58	297.57	44.64	342.21			
		350		117.74	25.78	42.00	1.20	186.72		143.52	21.53	165.05	199.72	29.96	229.68			

COMBINE ATTACHMENTS - HEADERS

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES								
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST \$/HR.	REPAIR COST \$/HR.	TOTAL COST NO LABOUR \$/HR.	BASIC RENTAL COST \$/HR.	MARG \$/HR.	HEADER RENTAL RATE \$/HR.	TOTAL MACH COSTS \$/HR.	POWER UNIT COST \$/HR.	LAB. COST \$/HR.	BASIC CUSTOM WORK RATES \$/HR.	MARGIN \$/HR.	CUSTOM RATE \$/HR.	WORK RATE	COMBINE/ HEADER CALC. CUSTOM RATE	
PICKUP HEADERS																	\$/AC
14 FT	20900	100	18.29	5.64	23.93	23.93	3.59	27.52	23.93			293.49	44.02	337.51		22.50	
		150	13.06	3.76	16.82	16.82	2.52	19.35	16.82			286.38	42.96	329.34		21.96	
		200	10.19	2.82	13.01	13.01	1.95	14.96	13.01			282.57	42.38	324.95		21.66	
		250	8.51	2.26	10.77	10.77	1.61	12.38	10.77	256.56	13.00	280.32	42.05	322.37	15.0	21.49	
		300	7.44	1.88	9.32	9.32	1.40	10.71	9.32			278.87	41.83	320.70	AC/HR	21.38	
16 FT	24900	100	21.79	6.72	28.51	28.51	4.28	32.79	28.51			326.08	48.91	375.00		20.83	
		150	15.56	4.48	20.04	20.04	3.01	23.05	20.04			317.62	47.64	365.26		20.29	
		200	12.14	3.36	15.50	15.50	2.33	17.83	15.50			313.07	46.96	360.03		20.00	
		250	10.14	2.69	12.83	12.83	1.92	14.75	12.83	284.57	13.00	310.40	46.56	356.96	18.0	19.83	
		300	8.86	2.24	11.10	11.10	1.66	12.76	11.10			308.67	46.30	354.97	AC/HR	19.72	
*Average Rental Rate per Hour								13.57	Average Custom Rate per Acre							20.66	

a) 14' used Class 7 Rotary Combine Power Unit Costs and corresponding 15 ac/hr workrate

b) 16' used Class 7* Rotary Combine Power Unit Costs and corresponding 18 ac/hr workrate

*To obtain a per acre custom charge for headers, divide Header Rental Rate/Hour by the ac/hr work rate of your combine.

RIGID HEADERS WITH BATT REELS																	S/AC
20 FT	22000	100	19.25	5.94	25.19	25.19	3.78	28.97	25.19			234.37	35.16	269.53		26.95	
		150	13.75	3.96	17.71	17.71	2.66	20.37	17.71			226.89	34.03	260.93		26.09	
		200	10.73	2.97	13.70	13.70	2.05	15.75	13.70			222.88	33.43	256.31		25.63	
		250	8.96	2.38	11.33	11.33	1.70	13.03	11.33	196.18	13.00	220.52	33.08	253.59	10.0	25.36	
		300	7.83	1.98	9.81	9.81	1.47	11.28	9.81			218.99	32.85	251.84	AC/HR	25.18	
25 FT	24500	100	21.44	6.62	28.05	28.05	4.21	32.26	28.05			274.70	41.20	315.90		26.33	
		150	15.31	4.41	19.72	19.72	2.96	22.68	19.72			266.37	39.96	306.32		25.53	
		200	11.94	3.31	15.25	15.25	2.29	17.54	15.25			261.90	39.28	301.18		25.10	
		250	9.98	2.65	12.62	12.62	1.89	14.51	12.62	233.64	13.00	259.27	38.89	298.16	12.0	24.85	
		300	8.72	2.21	10.92	10.92	1.64	12.56	10.92			257.57	38.63	296.20	AC/HR	24.68	
30 FT	27400	100	23.98	7.40	31.37	31.37	4.71	36.08	31.37			300.93	45.14	346.07		23.07	
		150	17.13	4.93	22.06	22.06	3.31	25.37	22.06			291.61	43.74	335.35		22.36	
		200	13.36	3.70	17.06	17.06	2.56	19.61	17.06			286.61	42.99	329.60		21.97	
		250	11.16	2.96	14.11	14.11	2.12	16.23	14.11	256.56	13.00	283.67	42.55	326.22	15.0	21.75	
		300	9.75	2.47	12.21	12.21	1.83	14.05	12.21			281.77	42.27	324.04	AC/HR	21.60	
*Average Rental Rate per Hour								14.59	Average Custom Rate per Acre							23.98	

a) 20' used Class 5 Rotary Combine Power Unit Costs and corresponding 10 ac/hr workrate

b) 25' used Class 6 Rotary Combine Power Unit Costs and corresponding 12 ac/hr workrate

c) 30' used Class 7 Rotary Combine Power Unit Costs and corresponding 15 ac/hr workrate

*To obtain a per acre custom charge for headers, divide Header Rental Rate/Hour by the ac/hr work rate of your combine.

COMBINE ATTACHMENTS - HEADERS

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST \$/HR.	REPAIR COST \$/HR.	TOTAL COST NO LABOUR \$/HR.	BASIC RENTAL COST \$/HR.	MARG \$/HR.	HEADER RENTAL RATE \$/HR.	TOTAL MACH COSTS \$/HR.	POWER UNIT COST \$/HR.	LAB. COST \$/HR.	BASIC CUSTOM WORK RATES \$/HR.	MARGIN \$/HR.	CUSTOM RATE \$/HR.	WORK RATE	COMBINE/ HEADER CALC. CUSTOM RATE
FLEX HEADERS WITH PICKUP REELS																
20 FT	28000	100	24.50	7.56	32.06	32.06	4.81	36.87	32.06			241.24	36.19	277.43		27.74
		150	17.50	5.04	22.54	22.54	3.38	25.92	22.54			231.72	34.76	266.48		26.65
		200	13.65	3.78	17.43	17.43	2.61	20.04	17.43			226.61	33.99	260.60		26.06
		250	11.40	3.02	14.42	14.42	2.16	16.56	14.42	196.18	13.00	223.61	33.54	257.15	10.0	25.71
		300	9.96	2.52	12.48	12.48	1.87	14.35	12.48			221.66	33.25	254.91	AC/HR	25.49
25 FT	30700	100	26.86	8.29	35.15	35.15	5.27	40.42	35.15			281.80	42.27	324.07		27.01
		150	19.19	5.53	24.71	24.71	3.71	28.42	24.71			271.36	40.70	312.06		26.01
		200	14.97	4.14	19.11	19.11	2.87	21.98	19.11			265.76	39.86	305.62		25.47
		250	12.50	3.32	15.81	15.81	2.37	18.19	15.81	233.64	13.00	262.46	39.37	301.83	12.0	25.15
		300	10.92	2.76	13.69	13.69	2.05	15.74	13.69			260.33	39.05	299.38	AC/HR	24.95
30 FT	38800	100	33.95	10.48	44.43	44.43	6.66	51.09	44.43			313.98	47.10	361.08		24.07
		150	24.25	6.98	31.23	31.23	4.69	35.92	31.23			300.79	45.12	345.91		23.06
		200	18.92	5.24	24.15	24.15	3.62	27.78	24.15			293.71	44.06	337.76		22.52
		250	15.80	4.19	19.99	19.99	3.00	22.99	19.99	256.56	13.00	289.54	43.43	332.97	15.0	22.20
		300	13.80	3.49	17.30	17.30	2.59	19.89	17.30			286.85	43.03	329.88	AC/HR	21.99
36 FT	45700	100	39.99	12.34	52.33	52.33	7.85	60.18	52.33			349.90	52.48	402.38		22.35
		150	28.56	8.23	36.79	36.79	5.52	42.31	36.79			334.36	50.15	384.52		21.36
		200	22.28	6.17	28.45	28.45	4.27	32.72	28.45			326.02	48.90	374.92		20.83
		250	18.61	4.94	23.54	23.54	3.53	27.07	23.54	284.57	13.00	321.12	48.17	369.28	18.0	20.52
		300	16.26	4.11	20.37	20.37	3.06	23.43	20.37			317.95	47.69	365.64	AC/HR	20.31
Average Rental Rate per Hour								21.21	Average Custom Rate per Acre							23.40

a) 20' used Class 5 Rotary Combine Power Unit Costs and corresponding 10 ac/hr workrate

b) 25' used Class 6 Rotary Combine Power Unit Costs and corresponding 12 ac/hr workrate

c) 30' used Class 7 Rotary Combine Power Unit Costs and corresponding 15 ac/hr workrate

d) 36' used Class 7+ Rotary Combine Power Unit Costs and corresponding 18 ac/hr workrate

*To obtain a per acre custom charge for headers, divide Header Rental Rate/Hour by the ac/hr work rate of your combine.

DRAPER STYLE HEADERS WITH PICKUP REELS

DRAPER STYLE HEADERS WITH PICKUP REELS																	\$/AC
20 FT	35800	100	31.33	9.67	40.99	40.99	6.15	47.14	40.99			250.17	37.53	287.70		28.77	
		150	22.38	6.44	28.82	28.82	4.32	33.14	28.82			238.00	35.70	273.70		27.37	
		200	17.45	4.83	22.29	22.29	3.34	25.63	22.29			231.47	34.72	266.19		26.62	
		250	14.58	3.87	18.44	18.44	2.77	21.21	18.44	196.18	13.00	227.62	34.14	261.77	10.0	26.18	
		300	12.74	3.22	15.96	15.96	2.39	18.35	15.96			225.14	33.77	258.91	AC/HR	25.89	
25 FT	40500	100	35.44	10.94	46.37	46.37	6.96	53.33	46.37			293.02	43.95	336.97		28.08	
		150	25.31	7.29	32.60	32.60	4.89	37.49	32.60			279.25	41.89	321.13		26.76	
		200	19.74	5.47	25.21	25.21	3.78	28.99	25.21			271.86	40.78	312.63		26.05	
		250	16.49	4.37	20.86	20.86	3.13	23.99	20.86	233.64	13.00	267.51	40.13	307.63	12.0	25.64	
		300	14.41	3.65	18.05	18.05	2.71	20.76	18.05			264.70	39.70	304.40	AC/HR	25.37	
30 FT	43900	100	38.41	11.85	50.27	50.27	7.54	57.81	50.27			319.82	47.97	367.79		24.52	
		150	27.44	7.90	35.34	35.34	5.30	40.64	35.34			304.90	45.73	350.63		23.38	
		200	21.40	5.93	27.33	27.33	4.10	31.43	27.33			296.88	44.53	341.42		22.76	
		250	17.87	4.74	22.61	22.61	3.39	26.01	22.61	256.56	13.00	292.17	43.83	336.00	15.0	22.40	
		300	15.62	3.95	19.57	19.57	2.94	22.50	19.57			289.12	43.37	332.49	AC/HR	22.17	
36 FT	46400	100	40.60	12.53	53.13	53.13	7.97	61.10	53.13			350.70	52.61	403.31		22.41	
		150	29.00	8.35	37.35	37.35	5.60	42.95	37.35			334.93	50.24	385.16		21.40	
		200	22.62	6.26	28.88	28.88	4.33	33.22	28.88			326.46	48.97	375.43		20.86	
		250	18.89	5.01	23.90	23.90	3.59	27.49	23.90	284.57	13.00	321.48	48.22	369.70	18.0	20.54	
		300	16.51	4.18	20.68	20.68	3.10	23.79	20.68			318.26	47.74	366.00	AC/HR	20.33	
40 FT	49100	100	42.96	13.26	56.22	56.22	8.43	64.65	56.22			353.79	53.07	406.86		20.34	
		150	30.69	8.84	39.53	39.53	5.93	45.45	39.53			337.10	50.56	387.66		19.38	
		200	23.94	6.63	30.56	30.56	4.58	35.15	30.56			328.14	49.22	377.36		18.87	
		250	19.99	5.30	25.29	25.29	3.79	29.09	25.29	284.57	13.00	322.87	48.43	371.30	20.0	18.56	
		300	17.47	4.42	21.89	21.89	3.28	25.17	21.89			319.46	47.92	367.38	AC/HR	18.37	
Average Rental Rate per Hour								25.56	Average Custom Rate per Acre							22.66	

a) 20' used Class 5 Rotary Combine Power Unit Costs and corresponding 10 ac/hr workrate

b) 25' used Class 6 Rotary Combine Power Unit Costs and corresponding 12 ac/hr workrate

c) 30' used Class 7 Rotary Combine Power Unit Costs and corresponding 15 ac/hr workrate

d) 36' used Class 7+ Rotary Combine Power Unit Costs and corresponding 18 ac/hr workrate

e) 40' used Class 7+ Rotary Combine Power Unit Costs and corresponding 20 ac/hr workrate

*To obtain a per acre custom charge for headers, divide Header Rental Rate/Hour by the ac/hr work rate of your combine.

POWERED EQUIPMENT

				MACHINE COMPONENT COSTS PER HOUR						MACHINE RENTAL PER HOUR			CUSTOM WORK RATES				
MACHINE SIZE	ORIG. COST	ANN. HOURS OF USE	FUEL TYPE AND LITRE / HOUR	FIXED COST \$/HR.	REPAIR COST \$/HR.	FUEL COST \$/HR.	LUBE & OIL \$/HR.	TOTAL COST NO LABOUR \$/HR.	LAB. COST \$/HR.	BASIC RENTAL COSTS \$/HR.	MARGIN \$/HR.	RENTAL RATE \$/HR.	BASIC CUSTOM WORK RATES \$/HR.	MARGIN \$/HR.	CUSTOM RATE \$/HR.	WORK RATE	CALC. CUSTOM RATE
GRAIN AUGERS																	
7 IN.	4800	25	1	17.33	3.84	0.99	0.06	22.22		21.17	3.18	24.34					SEE
30-37 FT (W/16 HP)		50	(G)	9.62	1.92	0.99	0.06	12.60		11.54	1.73	13.28					GRAIN
		75		7.01	1.28	0.99	0.06	9.34		8.29	1.24	9.53					
7 IN.	5300	25	1.4	19.13	4.24	1.39	0.06	24.82		23.37	3.51	26.88					HAULING
38-45 FT (W/18 HP)		50	(G)	10.63	2.12	1.39	0.06	14.20		12.75	1.91	14.66					SECTION
		75		7.74	1.41	1.39	0.06	10.60		9.15	1.37	10.52					
8 IN.	6200	25	2.0	22.38	4.96	1.98	0.06	29.39		27.34	4.10	31.44					
40-51 FT (W/20 HP)		50	(G)	12.43	2.43	1.98	0.06	16.96		14.91	2.24	17.15					
		75		9.05	1.65	1.98	0.06	12.75		10.70	1.61	12.31					
10 IN.	9500	25	2.5	34.30	7.60	2.48	0.06	44.41		41.90	6.28	48.18					
40-50 FT (W/25 HP)		50	(G)	19.05	3.80	2.48	0.06	25.39		22.85	3.43	26.27					
		75		13.87	2.53	2.48	0.06	18.94		16.40	2.46	18.86					
SPRAYER, HIGH CLEARANCE																	
CLASS 1																	
110 HP/450 gal tank	200			60.33	18.32	15.75	0.44	94.85		78.66	11.80	90.45					\$/AC
80 FT BOOM	104700	300		42.60	12.22	15.75	0.44	71.01		54.82	8.22	63.04					1.55
		400	15	34.09	9.16	15.75	0.44	59.44		43.25	6.49	49.74					1.21
		500	(D)	29.37	7.33	15.75	0.44	52.89	13.00	36.70	5.50	42.20					1.04
		600		26.65	6.11	15.75	0.44	48.95		32.76	4.91	37.68					0.95
CLASS 3																	0.89
<200 HP/850 gal tank	200			81.37	24.71	21.00	0.50	127.58		106.08	15.91	121.99					2.02
80 FT BOOM	141200	300		57.45	16.47	21.00	0.50	95.43		73.93	11.09	85.02					1.56
		400	20	45.98	12.36	21.00	0.50	79.83		58.33	8.75	67.08					1.33
		500	(D)	39.61	9.88	21.00	0.50	70.99	13.00	49.49	7.42	56.91					1.21
		600		35.95	9.24	21.00	0.50	65.68		44.18	6.63	50.81					1.13
CLASS 4																	
<250 HP/1000 gal tank	200			98.88	30.61	31.50	0.72	161.13		128.91	19.34	148.25					2.23
90 FT BOOM	171600	300		69.82	20.02	31.50	0.72	122.06		89.84	13.48	103.32					1.73
		400	30	55.88	15.02	31.50	0.72	103.11		70.89	10.63	81.53					1.48
		500	(D)	48.13	12.01	31.50	0.72	92.37	13.00	60.15	9.02	69.17					1.35
		600		43.69	10.01	31.50	0.72	85.92		53.70	8.05	61.75					1.26
CLASS 4																	
>250 HP/1200 gal tank	200			124.53	37.82	42.00	0.80	205.15		162.35	24.35	186.70					2.51
100 FT BOOM	216100	300		87.93	25.21	42.00	0.80	155.94		113.14	16.97	130.11					1.94
		400	40	70.37	18.91	42.00	0.80	132.08		89.28	13.39	102.67					1.67
		500	(D)	60.62	15.13	42.00	0.80	118.54	13.00	75.74	11.36	87.10					1.51
		600		55.02	12.61	42.00	0.80	110.42		67.62	10.14	77.76					1.42
NOTE: For a custom spraying operation, the cost of transportation would be on average										0.93			Average Custom Rate per Acre				
Cost of foam ranges from \$ 0.03-\$ 0.25/ac.										\$0.50 /ac. See Appendix A.							
For the cost of hauling water to the field add \$0.62/acre (assumes 7.5 gal/ac, 12 mile haul & \$5.00/1200 gal water cost). See Appendix A.																	
For the cost of hauling water to the field add \$0.72/acre if the water truck driver is paid for waiting time.																	
For a custom spraying operation add a charge for liability insurance and administration costs.																	
SWATHERS SP																	
18 FT STANDARD TABLE	78100	60	13	119.33	28.64	13.65	0.30	161.92		147.97	22.20	170.17					\$/AC
		100	(D)	78.30	17.18	13.65	0.30	109.43	13.00	95.48	14.32	109.80					23.67
		140		61.07	12.27	13.65	0.30	87.30		73.35	11.00	84.35					16.56
20-22 FT SLIDING TABLE	94900	60	14	145.00	34.80	14.70	0.36	194.86		179.80	26.97	206.77					25.16
		100	(D)	95.14	20.88	14.70	0.36	131.08	13.00	116.02	17.40	133.42					17.44
		140		74.21	14.91	14.70	0.36	104.19		89.13	13.37	102.49					14.19
24-26 FT SLIDING TABLE	97300	60	14	148.67	35.68	14.70	0.36	199.41		184.35	27.65	212.00					21.24
		100	(D)	97.54	21.41	14.70	0.36	134.01	13.00	118.95	17.84	136.79					17.00
		140		76.09	15.29	14.70	0.36	106.44		91.38	13.71	105.09					11.94
30 FT SLIDING TABLE	99500	60	15	152.03	36.48	15.75	0.36	204.63		188.52	28.28	216.79					17.88
		100	(D)	99.75	21.89	15.75	0.36	137.75	13.00	121.64	18.25	139.88					12.38
		140		77.81	15.64	15.75	0.36	109.56		93.45	14.02	107.46					10.07
Average Rental Rate per Acre										12.21			Average Custom Rate per Acre				
													15.27				

POWERED EQUIPMENT

				MACHINE COMPONENT COSTS PER HOUR						MACHINE RENTAL			CUSTOM WORK RATES				
MACHINE SIZE	ORIG. COST	ANN. HOURS OF USE	FUEL TYPE AND LITRE /HOUR	FIXED COST \$/HR.	REPAIR COST \$/HR.	FUEL COST \$/HR.	LUBE & OIL COST \$/HR.	TOTAL PER HR. COST NO LABOUR \$/HR.	LAB. COST \$/HR.	PER HOUR			BASIC CUSTOM WORK RATES \$/HR	MARGIN \$/HR	CUSTOM RATE \$/HR.	WORK RATE	CALC. CUSTOM RATE
										BASIC RENTAL COSTS \$/HR.	MARGIN \$/HR.	RENTAL RATE \$/HR.					
TRACTORS 2WD (PTO-HP)																	
30-39 HP	18900	200		8.06	2.93	8.40	0.14	19.53		10.99	1.65	12.63	32.53	4.88	37.40		
		300		5.97	1.95	8.40	0.14	16.47		7.93	1.19	9.11	29.47	4.42	33.88		
		400	8	4.83	1.46	8.40	0.14	14.84		6.30	0.94	7.24	27.84	4.18	32.02		
		600	(D)	3.45	0.98	8.40	0.14	12.97	13.00	4.43	0.68	5.09	25.97	3.89	29.86		
		800		2.80	0.73	8.40	0.14	12.07		3.53	0.53	4.06	25.07	3.70	28.83		
40-49 HP	20400	200		8.70	3.16	9.45	0.18	21.49		11.86	1.78	13.64	34.49	5.17	39.66		
		300		6.45	2.11	9.45	0.18	18.18		8.55	1.28	9.84	31.18	4.68	35.86		
		400	9	5.22	1.58	9.45	0.18	16.43		6.80	1.02	7.82	29.43	4.41	33.84		
		600	(D)	3.72	1.05	9.45	0.18	14.41	13.00	4.78	0.72	5.49	27.41	4.11	31.52		
		800		3.02	0.79	9.45	0.18	13.44		3.81	0.57	4.38	26.44	3.97	30.41		
50-59 HP	21800	200		9.29	3.38	10.50	0.22	23.39		12.67	1.90	14.57	36.39	5.46	41.85		
		300		6.89	2.25	10.50	0.22	19.86		9.14	1.37	10.51	32.86	4.93	37.79		
		400	10	5.58	1.69	10.50	0.22	17.99		7.27	1.09	8.36	30.99	4.65	35.63		
		600	(D)	3.98	1.13	10.50	0.22	15.82	13.00	5.10	0.77	5.87	28.82	4.32	33.15		
		800		3.23	0.84	10.50	0.22	14.79		4.07	0.61	4.69	27.79	4.17	31.96		
60-69 HP	25400	200		10.83	3.94	14.70	0.26	29.72		14.76	2.21	16.98	42.72	6.41	49.13		
		300		8.03	2.62	14.70	0.26	25.61		10.65	1.60	12.25	38.61	5.79	44.40		
		400	14	6.50	1.97	14.70	0.26	23.43		8.47	1.27	9.74	36.43	5.46	41.89		
		600	(D)	4.63	1.31	14.70	0.26	20.91	13.00	5.95	0.89	6.84	33.91	5.09	38.99		
		800		3.76	0.98	14.70	0.26	19.71		4.75	0.71	5.46	32.71	4.91	37.61		
70-79 HP	41400	200		17.65	6.42	16.80	0.30	41.16		24.06	3.81	27.87	54.16	8.12	62.29		
		300		13.08	4.28	16.80	0.30	34.46		17.36	2.60	19.96	47.46	7.12	54.58		
		400		10.59	3.21	16.80	0.30	30.90		13.80	2.07	15.87	43.90	6.58	50.48		
		600	(D)	7.55	2.14	16.80	0.30	26.79	13.00	9.69	1.45	11.15	39.79	5.97	45.76		
		800		6.13	1.60	16.80	0.30	24.84		7.74	1.16	8.90	37.84	5.68	43.51		
80-89 HP	45500	200		19.39	7.05	18.90	0.34	45.69		26.45	3.97	30.41	58.69	8.80	67.49		
		300		14.38	4.70	18.90	0.34	38.32		19.08	2.86	21.94	51.32	7.70	59.02		
		400	18	11.64	3.53	18.90	0.34	34.41		15.17	2.27	17.44	47.41	7.11	54.52		
		600	(D)	8.30	2.35	18.90	0.34	29.89	13.00	10.65	1.60	12.25	42.89	6.43	49.33		
		800		6.74	1.76	18.90	0.34	27.74		8.50	1.28	9.78	40.74	6.11	46.85		
90-99 HP	49000	200		20.89	7.60	21.00	0.38	49.86		28.48	4.27	32.75	62.86	9.43	72.29		
		300		15.48	5.06	21.00	0.38	41.93		20.55	3.08	23.63	54.93	8.24	63.17		
		400	20	12.53	3.80	21.00	0.38	37.71		16.33	2.45	18.78	50.71	7.61	58.32		
		600	(D)	8.94	2.53	21.00	0.38	32.85	13.00	11.47	1.72	13.19	45.85	6.88	52.73		
		800		7.26	1.90	21.00	0.38	30.54		9.16	1.37	10.53	43.54	6.53	50.07		
100-119 HP	70400	200		30.01	10.91	24.15	0.44	65.51		40.92	6.14	47.06	78.51	11.78	90.29		
		300		22.25	7.27	24.15	0.44	54.11		29.52	4.43	33.95	67.11	10.07	77.18		
		400	23	18.01	5.46	24.15	0.44	48.05		23.46	3.52	26.98	61.05	9.16	70.21		
		600	(D)	12.85	3.64	24.15	0.44	41.07	13.00	16.48	2.47	18.96	54.07	8.11	62.18		
		800		10.43	2.73	24.15	0.44	37.75		13.16	1.97	15.13	50.75	7.61	58.36		
120-139 HP	89900	200		38.32	13.93	29.40	0.52	82.17		52.25	7.84	60.09	95.17	14.28	109.45		
		300		28.41	9.29	29.40	0.52	67.62		37.70	5.65	43.35	80.62	12.09	92.71		
		400	28	23.00	6.97	29.40	0.52	59.88		29.96	4.49	34.46	72.88	10.93	83.82		
		600	(D)	16.40	4.64	29.40	0.52	50.97	13.00	21.05	3.18	24.21	63.97	9.60	73.56		
		800		13.32	3.48	29.40	0.52	46.72		16.80	2.52	19.32	59.72	8.96	68.68		
140-159 HP	101300	200		43.18	15.70	33.60	0.60	93.08		58.88	8.83	67.71	106.08	15.91	121.99		
		300		32.01	10.47	33.60	0.60	76.68		42.48	6.37	48.85	89.68	13.45	103.13		
		400	32	25.91	7.85	33.60	0.60	67.96		33.76	5.06	38.83	80.96	12.14	93.11		
		600	(D)	18.48	5.23	33.60	0.60	57.92	13.00	23.72	3.56	27.29	70.92	10.64	81.56		
		800		15.01	3.93	33.60	0.60	53.13		18.93	2.84	21.77	66.13	9.92	76.05		

NOTE: For MFWD add the following to the Custom Rate \$/HR. for 30-59 HP add \$0.02/HP/HR
for over 99HP add \$0.02/HP/HR

POWERED EQUIPMENT

				MACHINE COMPONENT COSTS PER HOUR						MACHINE RENTAL PER HOUR			CUSTOM WORK RATES				
MACHINE SIZE	ORIG. COST	ANN. HOURS OF USE	FUEL TYPE AND LITRE /HOUR	FIXED	REPAIR	FUEL	LUBE & OIL	TOTAL PER HR. COST NO LAB.	COST \$/HR.	BASIC RENTAL COSTS	MARGIN	RENTAL RATE	BASIC CUSTOM WORK RATES	MARGIN	CUSTOM RATE	WORK RATE	CALC. CUSTOM RATE
				\$/HR.	\$/HR.	\$/HR.	/HR.	\$/HR.		\$/HR.	\$/HR.	\$/HR.	\$/HR.	\$/HR.	\$/HR.	\$/HR.	\$/HR.
TRACTORS 2WD continued (PTO-HP)																	
160-179 HP	117900		200	50.25	18.27	40.95	0.68	110.16		68.53	10.28	78.81	123.16	18.47	141.63		
			300	37.25	12.18	40.95	0.68	91.07		49.44	7.42	56.85	104.07	15.61	119.68		
			400	30.16	9.14	40.95	0.68	80.93		39.30	5.89	45.19	93.93	14.09	108.01		
			600 (D)	21.51	6.09	40.95	0.68	69.23	13.00	27.60	4.14	31.75	82.23	12.34	94.57		
			800	17.47	4.57	40.95	0.68	63.66		22.03	3.31	25.34	76.66	11.50	88.16		
180-199 HP	130100		200	55.46	20.17	44.10	0.72	120.44		75.62	11.34	86.96	133.44	20.02	153.46		
			300	41.11	13.44	44.10	0.72	99.37		54.55	8.18	62.74	112.37	16.86	129.23		
			400	33.28	10.08	44.10	0.72	88.18		43.36	6.50	49.87	101.18	15.18	116.36		
			600 (D)	23.74	6.72	44.10	0.72	75.28	13.00	30.46	4.57	35.03	88.28	13.24	101.52		
			800	19.27	5.04	44.10	0.72	69.13		24.31	3.65	27.96	82.13	12.32	94.45		
200-225 HP	154100		200	65.69	23.89	47.25	0.72	137.54		89.57	13.44	103.01	150.54	22.58	173.12		
			300	48.69	15.92	47.25	0.72	112.59		64.62	9.69	74.31	125.59	18.84	144.42		
			400	39.42	11.94	47.25	0.72	99.33		51.36	7.70	59.07	112.33	16.85	129.18		
			600 (D)	28.12	7.96	47.25	0.72	84.05	13.00	36.08	5.41	41.49	97.05	14.56	111.61		
			800	22.83	5.97	47.25	0.72	76.77		28.80	4.32	33.12	89.77	13.47	103.23		
226-250 HP	178300		200	76.00	27.64	49.35	0.72	153.71		103.64	15.55	119.18	166.71	25.01	191.71		
			300	56.34	18.42	49.35	0.72	124.83		74.76	11.21	85.98	137.83	20.68	158.51		
			400	45.61	13.82	49.35	0.72	109.50		59.43	8.91	68.34	122.50	18.37	140.87		
			600 (D)	32.53	9.21	49.35	0.72	91.82	13.00	41.75	6.26	48.01	104.82	15.72	120.54		
			800	26.41	6.91	49.35	0.72	83.39		33.32	5.00	38.32	96.39	14.46	110.85		
251+ HP	195600		200	83.37	30.32	51.45	0.72	165.86		113.69	17.05	130.75	178.86	26.83	205.69		
			300	61.81	20.21	51.45	0.72	134.19		82.02	12.30	94.32	147.19	22.08	169.27		
			400	50.03	15.16	51.45	0.72	117.36		65.19	9.78	74.97	130.36	19.55	149.92		
			600 (D)	35.69	10.11	51.45	0.72	97.97	13.00	45.80	6.87	52.67	110.97	16.65	127.61		
			800	28.98	7.58	51.45	0.72	88.73		36.56	5.48	42.04	101.73	15.26	116.98		
NOTE: For MFWD add the following to the Custom Rate \$/HR. for 30-99 HP add \$0.02/HP/HR for over 99HP add \$0.02/HP/HR																	

NOTE: For MFWD add the following to the Custom Rate \$/HR, for 30-99 HP add \$0.02/HP/HR
for over 99HP add \$0.02/HP/HR

TRACTORS 4WD (Engine - HP)																	
100-130 HP	102500	200		43.69	13.33	36.75	0.48	94.25		57.02	8.55	65.57	107.25	16.09	123.33		
		300		32.39	8.88	36.75	0.48	78.50		41.27	6.19	47.46	91.50	13.73	105.23		
		400	35	26.22	6.66	36.75	0.48	70.11		32.88	4.93	37.81	83.11	12.47	95.58		
		600	(D)	18.70	4.44	36.75	0.48	60.37	13.00	23.14	3.47	26.62	73.37	11.01	84.38		
		800		15.18	3.33	36.75	0.48	55.75		18.52	2.78	21.29	68.75	10.31	79.06		
250-299 HP	165100	200		70.37	21.46	43.05	1.10	135.99		91.84	13.78	105.61	148.99	22.35	171.33		
		300		52.17	14.31	43.05	1.10	110.63		66.48	9.97	76.45	123.63	18.54	142.17		
		400	41	42.23	10.73	43.05	1.10	97.11		52.96	7.94	60.91	110.11	16.52	126.63		
		600	(D)	30.13	7.15	43.05	1.10	81.43	13.00	37.28	5.59	42.87	94.43	14.16	108.59		
		800		24.46	5.37	43.05	1.10	73.97		29.82	4.47	34.30	86.97	13.05	100.02		
300-349 HP	200200	200		85.34	26.03	48.30	1.30	160.96		111.36	16.70	128.07	173.96	26.09	200.06		
		300		63.26	17.35	48.30	1.30	130.21		80.61	12.09	92.70	143.21	21.48	164.69		
		400	46	51.21	13.01	48.30	1.30	113.82		64.22	9.63	73.86	126.82	19.02	145.85		
		600	(D)	36.53	8.88	48.30	1.30	94.81	13.00	45.21	6.78	51.99	107.81	16.17	123.98		
		800		29.66	6.51	48.30	1.30	85.76		36.16	5.42	41.59	98.76	14.81	113.58		
350-399 HP	205400	200		87.55	26.70	52.50	1.50	168.25		114.25	17.14	131.39	181.25	27.19	208.44		
		300		64.90	17.80	52.50	1.50	136.70		82.70	12.41	95.11	149.70	22.46	172.16		
		400	50	52.54	13.35	52.50	1.50	119.89		65.89	9.88	75.78	132.89	19.93	152.83		
		600	(D)	37.48	8.90	52.50	1.50	100.38	13.00	46.38	6.96	53.34	113.38	17.01	130.39		
		800		30.43	6.68	52.50	1.50	91.10		37.10	5.57	42.67	104.10	15.62	119.72		
400-425 HP	215600	200		91.90	28.03	58.80	1.65	180.38		119.93	17.99	137.92	193.38	29.01	222.38		
		300		68.13	18.69	58.80	1.65	147.26		86.81	13.02	99.83	160.26	24.04	184.30		
		400	56	55.15	14.01	58.80	1.65	129.61		69.16	10.37	79.54	142.61	21.39	164.00		
		600	(D)	39.34	9.34	58.80	1.65	109.13	13.00	48.68	7.30	55.99	122.13	18.32	140.45		
		800		31.94	7.01	58.80	1.65	99.39		38.95	5.84	44.79	112.39	16.86	129.25		
450-500 HP	262700	200		111.98	34.15	68.25	1.80	216.18		146.13	21.92	168.05	229.18	34.38	263.55		
		300		83.01	22.77	68.25	1.80	175.83		105.78	15.87	121.64	188.83	28.32	217.15		
		400	65	67.20	17.09	68.25	1.80	154.32		84.27	12.64	96.91	167.32	25.10	192.42		
		600	(D)	47.93	11.38	68.25	1.80	129.37	13.00	59.32	8.90	68.22	142.37	21.36	163.72		
		800		38.92	8.54	68.25	1.80	117.50		47.45	7.12	54.57	130.50	19.58	150.08		
500+ HP	274700	200		117.09	35.71	71.40	1.80	226.00		152.80	22.92	175.72	239.00	35.85	274.85		
		300		86.80	23.81	71.40	1.80	183.81		110.61	16.59	127.20	196.81	29.52	226.33		
		400	68	70.27	17.86	71.40	1.80	161.32		88.12	13.22	101.34	174.32	26.15	200.47		
		600	(D)	50.12	11.90	71.40	1.80	135.23	13.00	62.03	9.30	71.33	148.23	22.23	170.46		
		800		40.69	8.93	71.40	1.80	122.82		49.62	7.44	57.06	135.82	20.37	156.19		

1T trucks were priced with cab and chassis only

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST \$/HR.	REPAIR COST \$/HR.	TOTAL COST NO LABOUR \$/HR.	BASIC RENTAL COST \$/HR.	MARGIN \$/HR.	RENTAL RATE \$/HR.	MACHINE COSTS \$/HR.	POWER UNIT COST \$/HR.	LAB. COST \$/HR.	BASIC CUSTOM WORK RATES \$/HR.	MARGIN \$/HR.	CUSTOM RATE \$/HR.	WORK RATE	CALC. CUSTOM RATE
AIR DISK DRILLS																
30-35 FT	136400	100	127.11	40.92	168.03	168.03	25.20	193.24	168.03			250.27	37.54	287.81		\$/AC
		150	91.16	27.28	118.44	118.44	17.77	136.21	118.44	69.23	13.00	200.68	30.10	230.78	12.0	23.98
		200	72.92	20.46	93.38	93.38	14.01	107.38	93.38	170 HP		175.61	26.34	201.95	AC/HR	19.23
36-40 FT	152500	100	142.12	45.75	187.87	187.87	28.18	216.05	187.87			276.15	41.42	317.57		23.52
		150	101.92	30.50	132.42	132.42	19.86	152.28	132.42	75.28	13.00	220.70	33.11	253.81	13.5	18.80
		200	81.52	22.88	104.40	104.40	15.66	120.06	104.40	185 HP		192.68	28.90	221.58	AC/HR	16.41
41-45 FT	174500	100	162.62	52.35	214.97	214.97	32.25	247.21	214.97			309.40	46.41	355.81		22.24
		150	116.62	34.90	151.52	151.52	22.73	174.25	151.52	81.43	13.00	245.95	36.89	282.85	16.0	17.68
		200	93.28	26.18	119.46	119.46	17.92	137.38	119.46	275 HP		213.89	32.08	245.97	AC/HR	15.37
Average Rental Rate per Acre								11.17	Average Custom Rate per Acre							18.57
NOTE: Work rates may require adjustment for heavy straw conditions or high fertilizer rates																
AIR HOE DRILLS																
30-35 FT	104200	100	97.11	31.26	128.37	128.37	19.25	147.62	128.37			222.79	33.42	256.21		20.50
		150	69.64	20.84	90.48	90.48	13.57	104.05	90.48	81.43	13.00	184.91	27.74	212.65	12.5	17.01
		200	55.70	15.63	71.33	71.33	10.70	82.03	71.33	250 HP		165.76	24.86	190.63	AC/HR	15.25
36-40 FT	112800	100	105.12	33.84	138.96	138.96	20.84	159.80	138.96			233.39	35.01	268.40		19.17
		150	75.39	22.56	97.95	97.95	14.69	112.64	97.95	81.43	13.00	192.38	28.86	221.23	14.0	15.80
		200	60.30	16.92	77.22	77.22	11.58	88.80	77.22	275 HP		171.65	25.75	197.40	AC/HR	14.10
41-45 FT	132700	100	123.66	39.81	163.47	163.47	24.52	188.00	163.47			271.28	40.69	311.97		19.50
		150	88.69	26.54	115.23	115.23	17.28	132.51	115.23	94.81	13.00	223.03	33.45	256.49	16.0	16.03
		200	70.94	19.91	90.84	90.84	13.63	104.47	90.84	300 HP		198.65	29.80	228.45	AC/HR	14.28
46-50 FT	145600	100	135.69	43.68	179.37	179.37	26.90	206.27	179.37			287.17	43.08	330.25		18.35
		150	97.31	29.12	126.43	126.43	18.96	145.39	126.43	94.81	13.00	234.23	35.14	269.37	18.0	14.96
		200	77.84	21.84	99.68	99.68	14.95	114.63	99.68	350 HP		207.48	31.12	238.60	AC/HR	13.26
51-55 FT	153300	100	142.86	45.99	188.85	188.85	28.33	217.18	188.85			302.23	45.33	347.57		17.38
		150	102.46	30.66	133.12	133.12	19.97	153.08	133.12	100.38	13.00	246.50	36.97	283.47	20.0	14.17
		200	81.95	23.00	104.95	104.95	15.74	120.69	104.95	375 HP		218.33	32.75	251.08	AC/HR	12.55
56-60 FT	164600	100	153.39	49.38	202.77	202.77	30.42	233.19	202.77			324.90	48.74	373.64		18.68
		150	110.01	32.92	142.93	142.93	21.44	164.37	142.93	109.13	13.00	265.06	39.76	304.82	20.0	15.24
		200	87.99	24.69	112.68	112.68	16.90	129.58	112.68	425 HP		234.81	35.22	270.04	AC/HR	13.50
Average Rental Rate per Acre								8.08	Average Custom Rate per Acre							15.54

NOTE: Work rates may require adjustment for heavy straw conditions or high fertilizer rates

*All airdrills have been priced with an air tank of varying capacity respective to the implement's seeding width.

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST \$/HR.	REPAIR COST \$/HR.	TOTAL COST NO LABOUR \$/HR.	BASIC RENTAL COST \$/HR.	MARGIN \$/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS \$/HR.	POWER UNIT COST \$/HR.	LAB. COST \$/HR.	BASIC CUSTOM WORK RATES \$/HR.	MARGIN \$/HR.	CUSTOM RATE \$/HR.	WORK RATE	CALC. CUSTOM RATE
CULTIVATORS																
FIELD																
14-15 FT	16900	150	10.33	6.20	16.53	16.53	2.48	19.00	16.53			50.43	7.56	58.00		\$/AC
		250	6.78	3.72	10.49	10.49	1.57	12.07	10.49	20.91	13.00	44.40	6.66	51.06	7.5	7.73
		350	5.29	2.66	7.94	7.94	1.19	9.13	7.94	65 HP		41.85	6.28	48.13	AC/HR	6.81
20-21 FT	25400	150	15.52	9.31	24.84	24.84	3.73	28.56	24.84			67.73	10.16	77.89		7.79
		250	10.19	5.59	15.77	15.77	2.37	18.14	15.77	29.89	13.00	58.67	8.80	67.47	10.0	6.75
		350	7.95	3.99	11.94	11.94	1.79	13.73	11.94	85 HP		54.83	8.22	63.05	AC/HR	6.31
25-27FT	26900	150	16.44	9.86	26.30	26.30	3.95	30.25	26.30			80.38	12.06	92.43		6.85
		250	10.79	5.92	16.70	16.70	2.51	19.21	16.70	41.07	13.00	70.78	10.62	81.39	13.5	6.03
		350	8.41	4.23	12.64	12.64	1.90	14.54	12.64	110 HP		66.71	10.01	76.72	AC/HR	5.68
33-34 FT	33400	150	20.41	12.25	32.66	32.66	4.90	37.56	32.66			103.58	15.54	119.12		7.22
		250	13.39	7.35	20.74	20.74	3.11	23.85	20.74	57.92	13.00	91.86	13.75	105.41	16.5	6.39
		350	10.45	5.25	15.70	15.70	2.35	18.05	15.70	150 HP		86.61	12.99	99.61	AC/HR	6.04
41-45 FT	44900	150	27.44	16.46	43.91	43.91	6.59	50.49	43.91			132.19	19.83	152.01		7.07
		250	18.00	9.88	27.88	27.88	4.18	32.07	27.88	75.28	13.00	116.16	17.42	133.59	21.5	6.21
		350	14.04	7.06	21.10	21.10	3.17	24.27	21.10	180 HP		109.38	16.41	125.79	AC/HR	5.85
46-50 FT	49300	150	30.13	18.08	48.21	48.21	7.23	55.44	48.21			142.64	21.40	164.03		6.83
		250	19.77	10.85	30.62	30.62	4.59	35.21	30.62	81.43	13.00	125.05	18.76	143.80	24.0	5.99
		350	15.42	7.75	23.17	23.17	3.48	26.64	23.17	275 HP		117.60	17.64	135.24	AC/HR	5.63
51-55 FT	54200	150	33.13	19.87	53.00	53.00	7.95	60.95	53.00			160.81	24.12	184.93		6.98
		250	21.73	11.92	33.66	33.66	5.05	38.71	33.66	94.81	13.00	141.46	21.22	162.68	26.5	6.14
		350	16.95	8.52	25.47	25.47	3.82	29.29	25.47	325 HP		133.28	19.99	153.27	AC/HR	5.78
56-60 FT	56700	150	34.65	20.79	55.44	55.44	8.32	63.76	55.44			163.25	24.49	187.74		6.47
		250	22.74	12.47	35.21	35.21	5.28	40.49	35.21	94.81	13.00	143.02	21.45	164.47	29.0	5.67
		350	17.74	8.91	26.65	26.65	4.00	30.64	26.65	325 HP		134.45	20.17	154.62	AC/HR	5.33
Average Rental Rate per Acre								1.51	Average Custom Rate per Acre							6.25

Note: If equipped with mounted harrows add \$0.68/AC

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST \$/HR.	REPAIR COST \$/HR.	TOTAL COST NO LABOUR \$/HR.	BASIC RENTAL COST \$/HR.	MARGIN \$/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS \$/HR.	POWER UNIT \$/HR.	LAB. COST \$/HR.	BASIC CUSTOM WORK RATES \$/HR.	MARGIN \$/HR.	CUSTOM RATE \$/HR.	WORK RATE	CALC. CUSTOM RATE
CULTIVATORS																
HEAVY DUTY																
\$/AC																
18-20 FT	22900	150	14.00	8.40	22.39	22.39	3.36	25.75	22.39			65.29	9.79	75.08		7.90
		250	9.18	5.04	14.22	14.22	2.13	16.35	14.22	29.89	13.00	57.11	8.57	65.68	9.5	6.91
		350	7.16	3.60	10.76	10.76	1.61	12.38	10.76	85 HP		53.65	8.05	61.70	AC/HR	6.50
21-22 FT	24600	150	15.04	9.02	24.06	24.06	3.61	27.66	24.06			78.13	11.72	89.85		8.17
		250	9.86	5.41	15.28	15.28	2.29	17.57	15.28	41.07	13.00	69.35	10.40	79.75	11.0	7.25
		350	7.69	3.87	11.56	11.56	1.73	13.29	11.56	110 HP		65.63	9.85	75.48	AC/HR	6.86
23-25 FT	25900	150	15.83	9.50	25.33	25.33	3.80	29.13	25.33			79.40	11.91	91.31		7.61
		250	10.39	5.70	16.08	16.08	2.41	18.50	16.08	41.07	13.00	70.16	10.52	80.68	12.0	6.72
		350	8.10	4.07	12.17	12.17	1.83	14.00	12.17	110 HP		66.24	9.94	76.18	AC/HR	6.35
27-29 FT	32700	150	19.99	11.99	31.98	31.98	4.80	36.77	31.98			95.94	14.39	110.34		8.17
		250	13.11	7.19	20.31	20.31	3.05	23.35	20.31	50.97	13.00	84.28	12.64	96.92	13.5	7.18
		350	10.23	5.14	15.37	15.37	2.31	17.67	15.37	130 HP		79.34	11.90	91.24	AC/HR	6.76
30-31 FT	35200	150	21.51	12.91	34.42	34.42	5.16	39.58	34.42			105.34	15.80	121.14		7.82
		250	14.12	7.74	21.86	21.86	3.28	25.14	21.86	57.92	13.00	92.78	13.92	106.69	15.5	6.88
		350	11.01	5.53	16.54	16.54	2.48	19.02	16.54	150 HP		87.46	13.12	100.58	AC/HR	6.49
32-33 FT	36600	150	22.37	13.42	35.79	35.79	5.37	41.16	35.79			106.71	16.01	122.71		7.44
		250	14.68	8.05	22.73	22.73	3.41	26.14	22.73	57.92	13.00	93.65	14.05	107.69	16.5	6.53
		350	11.45	5.75	17.20	17.20	2.58	19.78	17.20	150 HP		88.12	13.22	101.34	AC/HR	6.14
34-35 FT	37400	150	22.86	13.71	36.57	36.57	5.49	42.06	36.57			124.85	18.73	143.58		8.20
		250	15.00	8.23	23.23	23.23	3.48	26.71	23.23	75.28	13.00	111.51	16.73	128.23	17.5	7.33
		350	11.70	5.88	17.58	17.58	2.64	20.21	17.58	180 HP		105.86	15.88	121.74	AC/HR	6.96
36-37 FT	38900	150	23.78	14.26	38.04	38.04	5.71	43.74	38.04			132.47	19.87	152.34		8.23
		250	15.60	8.56	24.16	24.16	3.62	27.78	24.16	81.43	13.00	118.59	17.79	136.37	18.5	7.37
		350	12.17	6.11	18.28	18.28	2.74	21.02	18.28	250 HP		112.71	16.91	129.62	AC/HR	7.01
40-41 FT	40800	150	24.94	14.96	39.90	39.90	5.98	45.88	39.90			134.33	20.15	154.48		7.54
		250	16.36	8.98	25.34	25.34	3.80	29.14	25.34	81.43	13.00	119.77	17.96	137.73	20.5	6.72
		350	12.76	6.41	19.17	19.17	2.88	22.05	19.17	250 HP		113.60	17.04	130.64	AC/HR	6.37
45-47 FT	51900	150	31.72	19.03	50.75	50.75	7.61	58.36	50.75			145.18	21.78	166.96		7.26
		250	20.81	11.42	32.23	32.23	4.83	37.06	32.23	81.43	13.00	126.66	19.00	145.66	23.0	6.33
		350	16.23	8.16	24.39	24.39	3.66	28.05	24.39	275 HP		118.82	17.82	136.64	AC/HR	5.94
58-60 FT	59600	150	36.43	21.85	58.28	58.28	8.74	67.02	58.28			166.09	24.91	191.00		6.47
		250	23.90	13.11	37.01	37.01	5.55	42.56	37.01	94.81	13.00	144.82	21.72	166.54	29.5	5.65
		350	18.64	9.37	28.01	28.01	4.20	32.21	28.01	325 HP		135.81	20.37	156.19	AC/HR	5.29
Average Rental Rate per Acre								1.57	Average Custom Rate per Acre							6.81

Note: If equipped with mounted harrows add \$0.68/AC

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE	ORIG. COST	ANN. HRS. OF USE	FIXED COST \$/HR.	REPAIR COST \$/HR.	TOTAL COST NO LABOUR \$/HR.	BASIC RENTAL COST \$/HR.	MARGIN \$/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS \$/HR.	POWER UNIT COST \$/HR.	LAB. COST \$/HR.	BASIC CUSTOM WORK RATES \$/HR.	MARGIN \$/HR.	CUSTOM RATE \$/HR.	WORK RATE	CALC. CUSTOM RATE
DISKS, HEAVY BREAKING																
10-12 FT	23800	100	22.18	7.14	29.32	29.32	4.40	33.72	29.32			117.60	17.64	135.24		\$/AC
		150	15.91	4.76	20.67	20.67	3.10	23.77	20.67	75.28	13.00	108.95	16.34	125.29	5.5	24.59
		200	12.72	3.57	16.29	16.29	2.44	18.74	16.29	185 HP		104.57	15.69	120.26	AC/HR	22.78
14-16 FT	29700	100	27.68	8.91	36.59	36.59	5.49	42.08	36.59			124.87	18.73	143.60		19.15
		150	19.85	5.94	25.79	25.79	3.87	29.66	25.79	75.28	13.00	114.07	17.11	131.18	7.5	17.49
		200	15.88	4.46	20.33	20.33	3.05	23.38	20.33	185 HP		108.61	16.29	124.90	AC/HR	16.65
Average Rental Rate per Acre								4.14	Average Custom Rate per Acre							20.14
DISKS, HEAVY TANDEM																
12-14 FT	10400	100	9.69	3.12	12.81	12.81	1.92	14.73	12.81			46.72	7.01	53.73		\$/AC
		150	6.95	2.08	9.03	9.03	1.35	10.39	9.03	20.91	13.00	42.94	6.44	49.38	6.5	8.27
		200	5.56	1.56	7.12	7.12	1.07	8.19	7.12	65 HP		41.03	6.15	47.18	AC/HR	7.60
15-17 FT	22500	100	20.97	6.75	27.72	27.72	4.16	31.88	27.72			70.61	10.59	81.20		10.15
		150	15.04	4.50	19.54	19.54	2.93	22.47	19.54	29.89	13.00	62.43	9.36	71.80	8.0	8.97
		200	12.03	3.38	15.40	15.40	2.31	17.71	15.40	85 HP		58.30	8.74	67.04	AC/HR	8.38
18-19 FT	26400	100	24.60	7.92	32.52	32.52	4.88	37.40	32.52			75.42	11.31	86.73		9.13
		150	17.64	5.28	22.92	22.92	3.44	26.36	22.92	29.89	13.00	65.82	9.87	75.69	9.5	7.97
		200	14.11	3.96	18.07	18.07	2.71	20.78	18.07	85 HP		60.97	9.14	70.11	AC/HR	7.38
20-22 FT	28000	100	26.09	8.40	34.49	34.49	5.17	39.67	34.49			105.41	15.81	121.22		11.55
		150	18.71	5.60	24.31	24.31	3.65	27.96	24.31	57.92	13.00	95.23	14.28	109.52	10.5	10.43
		200	14.97	4.20	19.17	19.17	2.88	22.04	19.17	150 HP		90.09	13.51	103.60	AC/HR	9.87
23-25 FT	34500	100	32.15	10.35	42.50	42.50	6.38	48.88	42.50			124.74	18.71	143.45		11.95
		150	23.06	6.90	29.96	29.96	4.49	34.45	29.96	69.23	13.00	112.19	16.83	129.02	12.0	10.75
		200	18.44	5.18	23.62	23.62	3.54	27.16	23.62	170 HP		105.85	15.88	121.73	AC/HR	10.14
26-28 FT	39700	100	37.00	11.91	48.91	48.91	7.34	56.24	48.91			137.19	20.58	157.77		11.69
		150	26.53	7.94	34.47	34.47	5.17	39.64	34.47	75.28	13.00	122.75	18.41	141.17	13.5	10.46
		200	21.22	5.96	27.18	27.18	4.08	31.25	27.18	185 HP		115.46	17.32	132.78	AC/HR	9.84
29-32 FT	42200	100	39.33	12.66	51.99	51.99	7.80	59.78	51.99			146.42	21.96	168.38		11.23
		150	28.20	8.44	36.64	36.64	5.50	42.14	36.64	81.43	13.00	131.07	19.66	150.73	15.0	10.05
		200	22.56	6.33	28.89	28.89	4.33	33.22	28.89	275 HP		123.32	18.50	141.82	AC/HR	9.45
Average Rental Rate per Acre								2.64	Average Custom Rate per Acre							9.46
DRILLS DISK PRESS																
10 FT	10500	100	9.79	3.15	12.94	12.94	1.94	14.88	12.94			41.76	6.26	48.02		\$/AC
		150	7.02	2.10	9.12	9.12	1.37	10.49	9.12	15.82	13.00	37.94	5.69	43.63	4.0	12.01
		200	5.61	1.58	7.19	7.19	1.08	8.27	7.19	55 HP		36.01	5.40	41.41	AC/HR	10.91
20-21 FT	29300	100	27.31	8.79	36.10	36.10	5.41	41.51	36.10			90.17	13.53	103.69		12.20
		150	19.58	5.86	25.44	25.44	3.82	29.26	25.44	41.07	13.00	79.52	11.93	91.44	8.5	10.76
		200	15.66	4.40	20.06	20.06	3.01	23.07	20.06	110 HP		74.13	11.12	85.25	AC/HR	10.03
28-30 FT	43900	100	40.91	13.17	54.08	54.08	8.11	62.19	54.08			125.00	18.75	143.75		11.98
		150	29.34	8.78	38.12	38.12	5.72	43.84	38.12	57.92	13.00	109.04	16.36	125.39	12.0	10.45
		200	23.47	6.59	30.05	30.05	4.51	34.56	30.05	150 HP		100.97	15.15	116.12	AC/HR	9.68
40-42 FT	55000	100	51.26	16.50	67.76	67.76	10.16	77.92	67.76			156.04	23.41	179.44		10.56
		150	36.76	11.00	47.76	47.76	7.16	54.92	47.76	75.28	13.00	136.04	20.41	156.45	17.0	9.20
		200	29.40	8.25	37.65	37.65	5.65	43.30	37.65	185 HP		125.93	18.89	144.82	AC/HR	8.52
Average Rental Rate per Acre								3.24	Average Custom Rate per Acre							10.33

NOTE: Work rates may require adjustment for heavy straw conditions or high fertilizer rates

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST \$/HR.	REPAIR COST \$/HR.	TOTAL COST NO LABOUR \$/HR.	BASIC RENTAL COST \$/HR.	MARGIN \$/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS \$/HR.	POWER UNIT COST \$/HR.	LAB. COST \$/HR.	BASIC CUSTOM WORK RATES \$/HR.	MARGIN \$/HR.	CUSTOM RATE \$/HR.	WORK RATE	CALC. CUSTOM RATE
DRILLS																
ZERO TILL GRAVITY DISK																
14 - 15 FT	44800	100	41.75	13.44	55.19	55.19	8.28	63.47	55.19			109.26	16.39	125.65		22.85
		150	29.94	8.96	38.90	38.90	5.84	44.74	38.90	41.07	13.00	92.97	13.95	106.92	5.5	19.44
		200	23.95	6.72	30.67	30.67	4.60	35.27	30.67	110 HP		84.74	12.71	97.45	AC/HR	17.72
21 FT	48100	100	44.82	14.43	59.25	59.25	8.89	68.14	59.25			130.17	19.53	149.70		18.71
		150	32.15	9.62	41.77	41.77	6.27	48.03	41.77	57.92	13.00	112.68	16.90	129.59	8.0	16.20
		200	25.71	7.22	32.93	32.93	4.94	37.87	32.93	150 HP		103.85	15.58	119.42	AC/HR	14.93
28 - 30 FT	66400	100	61.88	19.92	81.80	81.80	12.27	94.07	81.80			170.08	25.51	195.59		17.78
		150	44.38	13.28	57.66	57.66	8.65	66.31	57.66	75.28	13.00	145.94	21.89	167.83	11.0	15.26
		200	35.50	9.96	45.46	45.46	6.82	52.27	45.46	185 HP		133.74	20.06	153.80	AC/HR	13.98
Average Rental Rate per Acre									Average Custom Rate per Acre							16.97
NOTE: Work rates may require adjustment for heavy straw conditions or high fertilizer rates																
FERTILIZER SPREADERS																
6 TON	13300	60	21.39	6.65	28.04	28.04	4.21	32.25	28.04			70.93	10.64	81.57		3.40
		80	16.67	4.99	21.65	21.65	3.25	24.90	21.65	29.89	13.00	64.55	9.68	74.23	24.0	3.09
		100	13.90	3.99	17.89	17.89	2.68	20.58	17.89	85 HP		60.79	9.12	69.90	AC/HR	2.91
Average Rental Rate per Acre									Average Custom Rate per Acre							3.09
GRAIN AUGERS, PTO																
8 IN	4500	25	16.25	3.60	19.85	19.85	2.98	22.82	19.85			45.81	6.87	52.68		0.02
40-51 FT		50	9.02	1.80	10.82	10.82	1.62	12.45	10.82	12.97	13.00	36.79	5.52	42.31	3000.0	0.01
		75	6.57	1.20	7.77	7.77	1.17	8.93	7.77	35 HP		33.73	5.06	38.79	BU/HR	0.01
10 IN	9100	25	32.85	7.28	40.13	40.13	6.02	46.15	40.13			68.96	10.34	79.30		0.01
50-60 FT		50	18.25	3.64	21.89	21.89	3.28	25.17	21.89	15.82	13.00	50.71	7.61	58.32	6000.0	0.01
		75	13.28	2.43	15.71	15.71	2.36	18.07	15.71	55 HP		44.53	6.68	51.21	BU/HR	0.01
13 IN	15000	25	54.15	12.00	66.15	66.15	9.92	76.07	66.15			120.22	18.03	138.26		0.01
60-90 FT		50	30.08	6.00	36.08	36.08	5.41	41.49	36.08	41.07	13.00	90.15	13.52	103.67	9600.0	0.01
		75	21.90	4.00	25.90	25.90	3.88	29.78	25.90	105 HP		79.97	12.00	91.96	BU/HR	0.01
									Average Custom Rate / Bushel							0.01
GRAIN CONVEYORS, PTO																
15 IN BELT	10700	50	15.03	4.45	19.48	19.48	2.92	22.41	19.48			48.31	7.25	55.56		0.01
45-50 FT		100	8.16	2.23	10.38	10.38	1.56	11.94	10.38	15.82	13.00	39.21	5.88	45.09	6000.0	0.01
		150	5.93	1.48	7.41	7.41	1.11	8.52	7.41	55 HP		36.24	5.44	41.67	BU/HR	0.01
15 IN BELT	17500	50	24.59	7.28	31.87	31.87	4.78	36.65	31.87			60.69	9.10	69.80		0.01
60-65 FT		100	13.34	3.64	16.98	16.98	2.55	19.53	16.98	15.82	13.00	45.81	6.87	52.68	6000.0	0.01
		150	9.70	2.43	12.12	12.12	1.82	13.94	12.12	55 HP		40.95	6.14	47.09	BU/HR	0.01
15 IN BELT	19200	50	26.98	7.99	34.96	34.96	5.24	40.21	34.96			74.76	11.21	85.97		0.01
70-80 FT		100	14.64	3.99	18.63	18.63	2.80	21.43	18.63	26.79	13.00	58.43	8.76	67.19	6000.0	0.01
		150	10.64	2.66	13.30	13.30	2.00	15.30	13.30	75 HP		53.09	7.96	61.06	BU/HR	0.01
									Average Custom Rate / Bushel							0.01
GRAIN DRYERS- BATCH/CONTINUOUS																
300 BUS/HR	46700	50	84.29	11.68	95.97	95.97	14.40	110.36	95.97			175.86	26.38	202.23		0.67
17.5%-14.5%		100	46.82	5.84	52.65	52.65	7.90	60.55	52.65	66.89	13.00	132.54	19.88	152.42	300.0	0.51
		200	25.56	2.92	28.48	28.48	4.27	32.75	28.48	35 HP		108.37	16.26	124.62	BU/HR	0.42
									& propane & tank							
									Suggested Custom Rate/Bushel / 1%							0.17
600 BUS/HR	68000	50	122.74	17.00	139.74	139.74	20.96	160.70	139.74			233.66	35.05	268.70		0.45
17.5%-14.5%		100	68.17	8.50	76.67	76.67	11.50	88.17	76.67	80.92	13.00	170.59	25.59	196.17	600.0	0.33
		200	37.22	4.25	41.47	41.47	6.22	47.69	41.47	35 HP		135.39	20.31	155.70	BU/HR	0.26
									& propane & tank							
									Suggested Custom Rate/Bushel / 1%							0.11
NOTE: 300 bu dryer: Power unit costs incl. propane costs of (1) \$51.35/hr (79 litres/hr x \$.65/litre)(drying at 0 degrees Celsius) (2) Tank rental of \$180.00/70hr =\$2.57/hr																
(3) 35 HP tractor costs. Propane consumption will change with temperature (95 litres/hr at - 10 degrees Celsius, 126 litres/hr at - 20 degrees Celsius)																
NOTE: 600 bu dryer: Power unit costs incl. propane costs of (1) \$64.35/hr (99 litres/hr x \$.65/litre)(drying at 0 degrees Celsius) (2)Tank rental of \$180.00/50hr =\$3.60/hr																
(3) 35 HP tractor costs. Propane consumption will change with temperature (111 litres/hr at - 10 degrees Celsius, 142 litres/hr at - 20 degrees Celsius)																
NOTE: New grain dryers are powered by electric motors therefore substitute electrical costs for tractor costs.																

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
		ANN. HRS. OF USE	FIXED COST \$/HR.	REPAIR COST \$/HR.	TOTAL COST NO LABOUR \$/HR.	BASIC RENTAL COST \$/HR.	MARGIN \$/HR.	RENTAL RATE \$/HR.	TOTAL MACHINE COSTS \$/HR.	POWER UNIT COST \$/HR.	LAB. COST \$/HR.	BASIC CUSTOM WORK RATES \$/HR.	MARGIN \$/HR.	CUSTOM RATE \$/HR.	WORK RATE	CALC. CUSTOM RATE
GRAIN CARTS																
750 BU	32300	60	46.39	14.54	60.92	60.92	9.14	70.06	60.92			143.16	21.47	164.63		
		100	30.10	8.72	38.82	38.82	5.82	44.65	38.82	69.23	13.00	121.06	18.16	139.21		
		140	23.13	6.23	29.36	29.36	4.40	33.76	29.36	175 HP		111.59	16.74	128.33		
1100 BU	53400	60	76.69	24.03	100.72	100.72	15.11	115.83	100.72			195.15	29.27	224.42		
		100	49.76	14.42	64.18	64.18	9.63	73.81	64.18	81.43	13.00	158.61	23.79	182.40		
		140	38.24	10.30	48.54	48.54	7.28	55.82	48.54	250 HP		142.97	21.44	164.41		
GRAIN VACS																
1000-1499 BUS/HR	12400	25	44.76	9.92	54.68	54.68	8.20	62.89	54.68			83.51	12.53	96.03		\$/BU
		50	24.86	4.96	29.82	29.82	4.47	34.30	29.82	15.82	13.00	58.65	8.80	67.44	1250.0	0.05
		75	18.10	3.31	21.41	21.41	3.21	24.62	21.41	50 HP		50.23	7.53	57.77	BU/HR	0.05
2000-3000 BUS/HR	19900	25	71.84	15.92	87.76	87.76	13.16	100.92	87.76			127.55	19.13	146.68		0.06
		50	39.90	7.96	47.86	47.86	7.18	55.04	47.86	26.79	13.00	87.65	13.15	100.80	2500.0	0.04
		75	29.05	5.31	34.36	34.36	5.15	39.51	34.36	70 HP		74.15	11.12	85.27	BU/HR	0.03
4000 BUS/HR	33100	25	119.49	26.48	145.97	145.97	21.90	167.87	145.97			191.82	28.77	220.60		0.06
		50	66.37	13.24	79.61	79.61	11.94	91.55	79.61	32.85	13.00	125.46	18.82	144.28	4000.0	0.04
		75	48.32	8.83	57.14	57.14	8.57	65.72	57.14	90 HP		103.00	15.45	118.45	BU/HR	0.03
Average Rental Rate per Bushel								0.02	Average Custom Rate per Bushel							0.04
GRANULAR HERBICIDE APPLICATORS																
CULTIVATOR MOUNT																
UP TO 40 FT	7900	60	12.71	3.95	16.66	16.66	2.50	19.15	16.66			16.66	2.50	19.15		\$/AC
		80	9.90	2.96	12.86	12.86	1.93	14.79	12.86			12.86	1.93	14.79	21.5	0.69
		100	8.26	2.37	10.63	10.63	1.59	12.22	10.63			10.63	1.59	12.22	AC/HR	0.57
UP TO 60 FT	9300	60	14.96	4.65	19.61	19.61	2.94	22.55	19.61			19.61	2.94	22.55		0.78
		80	11.65	3.49	15.14	15.14	2.27	17.41	15.14			15.14	2.27	17.41	29.0	0.60
		100	9.72	2.79	12.51	12.51	1.88	14.39	12.51			12.51	1.88	14.39	AC/HR	0.50
Trailer Type 40 TO 50 FT	13100	60	21.07	6.55	27.62	27.62	4.14	31.76	27.62			70.51	10.58	81.09		2.03
		80	16.42	4.91	21.33	21.33	3.20	24.53	21.33	29.89	13.00	64.22	9.63	73.85	40.0	1.85
		100	13.69	3.93	17.62	17.62	2.64	20.27	17.62	85 HP		60.52	9.08	69.59	AC/HR	1.74
Average Rental Rate per Acre								0.63	Average Custom Rate per Acre							1.08

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES										
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST \$/HR.	REPAIR COST \$/HR.	TOTAL COST NO LABOUR \$/HR.	BASIC RENTAL COST \$/HR.	MARGIN \$/HR.	RENTAL RATE \$/HR.	TOTAL MACHINE COSTS \$/HR.	POWER UNIT COST \$/HR.	LAB. COST \$/HR.	BASIC CUSTOM WORK RATES \$/HR.	MARGIN \$/HR.	CUSTOM RATE \$/HR.	WORK RATE	CALC. CUSTOM RATE			
HARROWS, STANDARD																			
5 BAR TIME																			
40 FT	8700	60	12.49	3.92	16.41	16.41	2.46	18.87	16.41			59.30	8.90	68.20		\$/AC			
		100	8.11	2.35	10.46	10.46	1.57	12.03	10.46	29.89	13.00	53.35	8.00	61.35	20.0	3.41			
		140	6.23	1.68	7.91	7.91	1.19	9.09	7.91	85 HP		50.80	7.62	58.42	AC/HR	2.92			
50 FT																			
	11900	60	17.09	5.36	22.45	22.45	3.37	25.81	22.45			76.52	11.48	88.00		3.52			
		100	11.09	3.21	14.30	14.30	2.15	16.45	14.30	41.07	13.00	68.38	10.26	78.63	25.0	3.15			
		140	8.52	2.30	10.82	10.82	1.62	12.44	10.82	110 HP		64.89	9.73	74.62	AC/HR	2.98			
60 FT																			
	13000	60	18.67	5.85	24.52	24.52	3.68	28.20	24.52			88.49	13.27	101.76		3.39			
		100	12.11	3.51	15.62	15.62	2.34	17.97	15.62	50.97	13.00	79.59	11.94	91.53	30.0	3.05			
		140	9.31	2.51	11.82	11.82	1.77	13.59	11.82	130 HP		75.78	11.37	87.15	AC/HR	2.91			
80 FT																			
	16500	60	23.70	7.43	31.12	31.12	4.67	35.79	31.12			102.04	15.31	117.35		2.93			
		100	15.38	4.46	19.83	19.83	2.97	22.81	19.83	57.92	13.00	90.75	13.61	104.36	40.0	2.61			
		140	11.82	3.18	15.00	15.00	2.25	17.25	15.00	150 HP		85.92	12.89	98.80	AC/HR	2.47			
Average Rental Rate per Acre									0.61								Average Custom Rate per Acre		2.97
HARROWS, HEAVY																			
50 FT																			
	29800	60	42.80	13.41	56.21	56.21	8.43	64.64	56.21			144.49	21.67	166.16		3.32			
		100	27.77	8.05	35.82	35.82	5.37	41.19	35.82	75.28	13.00	124.10	18.61	142.71	50.0	2.85			
		140	21.34	5.75	27.09	27.09	4.06	31.15	27.09	185 HP		115.37	17.31	132.67	AC/HR	2.65			
70 FT																			
	35300	60	50.70	15.89	66.58	66.58	9.99	76.57	66.58			161.01	24.15	185.16		2.65			
		100	32.90	9.53	42.43	42.43	6.36	48.79	42.43	81.43	13.00	136.86	20.53	157.39	70.0	2.25			
		140	25.28	6.81	32.09	32.09	4.81	36.90	32.09	275 HP		126.51	18.98	145.49	AC/HR	2.08			
80 FT																			
	39500	60	56.73	17.78	74.50	74.50	11.18	85.68	74.50			168.93	25.34	194.27		2.43			
		100	36.81	10.67	47.48	47.48	7.12	54.60	47.48	81.43	13.00	141.91	21.29	163.19	80.0	2.04			
		140	28.28	7.62	35.90	35.90	5.39	41.29	35.90	275 HP		130.33	19.55	149.88	AC/HR	1.87			
Average Rental Rate per Acre									0.73								Average Custom Rate per Acre		2.38
HARROW PACKERS																			
30 FT																			
	28100	60	40.36	12.65	53.00	53.00	7.95	60.95	53.00			107.07	16.06	123.13		\$/AC			
		100	26.19	7.59	33.77	33.77	5.07	38.84	33.77	41.07	13.00	87.85	13.18	101.02	15.0	6.73			
		140	20.12	5.42	25.54	25.54	3.83	29.37	25.54	110 HP		79.61	11.94	91.56	AC/HR	6.10			
50 FT																			
	30900	60	44.38	13.91	58.28	58.28	8.74	67.02	58.28			122.25	18.34	140.59		5.62			
		100	28.80	8.34	37.14	37.14	5.57	42.71	37.14	50.97	13.00	101.11	15.17	116.27	25.0	4.65			
		140	22.13	5.96	28.09	28.09	4.21	32.30	28.09	130 HP		92.05	13.81	105.86	AC/HR	4.23			
60 FT																			
	32900	60	47.25	14.81	62.05	62.05	9.31	71.36	62.05			144.29	21.64	165.93		5.53			
		100	30.66	8.88	39.54	39.54	5.93	45.47	39.54	69.23	13.00	121.78	18.27	140.04	30.0	4.67			
		140	23.56	6.35	29.90	29.90	4.49	34.39	29.90	170 HP		112.14	16.82	128.96	AC/HR	4.30			
70 FT																			
	39200	60	56.30	17.64	73.94	73.94	11.09	85.03	73.94			156.17	23.43	179.60		5.13			
		100	36.53	10.58	47.11	47.11	7.07	54.18	47.11	69.23	13.00	129.35	19.40	148.75	35.0	4.25			
		140	28.07	7.56	35.63	35.63	5.34	40.97	35.63	170 HP		117.86	17.68	135.54	AC/HR	3.87			
80 FT																			
	41400	60	59.46	18.63	78.09	78.09	11.71	89.80	78.09			166.37	24.96	191.32		4.78			
		100	38.58	11.18	49.76	49.76	7.46	57.22	49.76	75.28	13.00	138.04	20.71	158.75	40.0	3.97			
		140	29.65	7.98	37.63	37.63	5.64	43.27	37.63	185 HP		125.91	18.89	144.80	AC/HR	3.62			
Average Rental Rate per Acre									1.76								Average Custom Rate per Acre		4.85

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST \$/HR.	REPAIR COST \$/HR.	TOTAL COST NO LABOUR \$/HR.	BASIC RENTAL COST \$/HR.	MARGIN \$/HR.	RENTAL RATE \$/HR.	MACHINE COSTS \$/HR.	POWER UNIT COST \$/HR.	LAB. COST \$/HR.	BASIC CUSTOM WORK RATES \$/HR.	MARGIN \$/HR.	CUSTOM RATE \$/HR.	WORK RATE	CALC. CUSTOM RATE
LAND ROLLER																
40-49 FT	28900	60	41.50	13.01	54.51	54.51	8.18	62.69	54.51			118.48	17.77	136.25		6.19
		100	26.93	7.80	34.74	34.74	5.21	39.95	34.74	50.97	13.00	98.70	14.81	113.51	22.0	5.16
		140	20.69	5.57	26.27	26.27	3.94	30.21	26.27	130 HP		90.24	13.54	103.77	AC/HR	4.72
Average Rental Rate per Acre								1.82	Average Custom Rate per Acre							5.16
PLOWES																
7.5 FT	16700	100	15.31	6.68	21.99	21.99	3.30	25.29	21.99			55.90	8.38	64.28		\$/AC 21.43
5-FURROW		150	11.16	4.45	15.61	15.61	2.34	17.96	15.61	20.91	13.00	49.52	7.43	56.95	3.0	18.98
		200	9.14	3.34	12.48	12.48	1.87	14.35	12.48	65 HP		46.39	6.96	53.35	AC/HR	17.78
9 FT	18600	100	17.05	7.44	24.49	24.49	3.67	28.17	24.49			70.34	10.55	80.90		23.11
6-FURROW		150	12.43	4.96	17.39	17.39	2.61	20.00	17.39	32.85	13.00	63.24	9.49	72.73	3.5	20.78
		200	10.18	3.72	13.90	13.90	2.09	15.99	13.90	95 HP		59.75	8.96	68.72	AC/HR	19.63
12 FT	31000	100	28.42	12.40	40.82	40.82	6.12	46.94	40.82			104.79	15.72	120.51		24.10
8-FURROW		150	20.72	8.27	28.99	28.99	4.35	33.33	28.99	50.97	13.00	92.95	13.94	106.90	5.0	21.38
		200	16.97	6.20	23.17	23.17	3.48	26.64	23.17	130 HP		87.14	13.07	100.21	AC/HR	20.04
18 FT	43100	100	39.51	17.24	56.75	56.75	8.51	65.27	56.75			138.99	20.85	159.84		22.83
12 FURROW		150	28.81	11.49	40.30	40.30	6.04	46.34	40.30	69.23	13.00	122.53	18.38	140.91	7.0	20.13
		200	23.59	8.62	32.21	32.21	4.83	37.05	32.21	170 HP		114.45	17.17	131.61	AC/HR	18.80
Average Rental Rate per Acre								6.25	Average Custom Rate per Acre							20.32
ROCK PICKERS																
FORK TYPE	8600	60	17.50	3.58	21.08	21.08	3.16	24.24	21.08			49.90	7.49	57.39		
		80	14.00	2.69	16.69	16.69	2.50	19.19	16.69	15.82	13.00	45.51	6.83	52.34		
		100	12.06	2.15	14.21	14.21	2.13	16.34	14.21	55 HP		43.04	6.46	49.49		
3 PADDLE	18000	60	36.62	7.50	44.12	44.12	6.62	50.74	44.12			83.91	12.59	96.50		
HYDRAULIC		80	29.31	5.63	34.93	34.93	5.24	40.17	34.93	26.79	13.00	74.72	11.21	85.93		
		100	25.25	4.50	29.75	29.75	4.46	34.21	29.75	75 HP		69.54	10.43	79.97		
EXTRA	21700	60	44.15	9.04	53.19	53.19	7.98	61.17	53.19			92.98	13.95	106.93		
LARGE		80	35.33	6.78	42.11	42.11	6.32	48.43	42.11	26.79	13.00	81.90	12.29	94.19		
		100	30.43	5.43	35.86	35.86	5.38	41.24	35.86	75 HP		75.65	11.35	87.00		
ROCK RAKES																
12-14 FT	6700	60	13.63	2.79	16.42	16.42	2.46	18.89	16.42			50.33	7.55	57.88		
		80	10.91	2.09	13.00	13.00	1.95	14.95	13.00	20.91	13.00	46.91	7.04	53.95		
		100	9.40	1.68	11.07	11.07	1.66	12.73	11.07	65 HP		44.98	6.75	51.73		
20 FT	14800	60	30.11	6.17	36.28	36.28	5.44	41.72	36.28			70.18	10.53	80.71		
		80	24.10	4.63	28.72	28.72	4.31	33.03	28.72	20.91	13.00	62.63	9.39	72.02		
		100	20.76	3.70	24.46	24.46	3.67	28.13	24.46	65 HP		58.36	8.75	67.12		
ROCK PICKER-ROCK RAKE COMBINATION																
20-22 FT	19700	60	40.08	8.21	48.29	48.29	7.24	55.53	48.29			94.14	14.12	108.26		
HYDRAULIC		80	32.07	6.16	38.23	38.23	5.73	43.96	38.23	32.85	13.00	84.08	12.61	96.70		
		100	27.63	4.93	32.55	32.55	4.88	37.44	32.55	95 HP		78.41	11.76	90.17		

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES								
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST \$/HR.	REPAIR COST \$/HR.	TOTAL COST NO LABOUR \$/HR.	BASIC RENTAL COST \$/HR.	MARGIN \$/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS \$/HR.	POWER UNIT COST \$/HR.	LAB. COST \$/HR.	BASIC CUSTOM WORK RATES		CUSTOM RATE \$/HR.	WORK RATE	CALC. CUSTOM RATE	
												\$/HR.	\$/HR.				
SPRAYERS																	
PTO																\$/AC	
400-500 GAL	11500	30	35.14	11.88	47.03	47.03	7.05	54.08	47.03			80.93	12.14	93.07		3.45	
60-70 FT		60	20.04	5.94	25.98	25.98	3.90	29.87	25.98	20.91	13.00	59.88	8.98	68.87	27.0	2.55	
		120	12.07	2.97	15.04	15.04	2.26	17.30	15.04	65 HP		48.95	7.34	56.29	AC/HR	2.08	
700-800 GAL	37200	30	113.68	38.44	152.12	152.12	22.82	174.94	152.12			195.01	29.25	224.27		6.41	
80-90 FT		60	64.81	19.22	84.03	84.03	12.60	96.64	84.03	29.89	13.00	126.93	19.04	145.96	35.0	4.17	
		120	39.05	9.61	48.66	48.66	7.30	55.96	48.66	85 HP		91.55	13.73	105.28	AC/HR	3.01	
700-800 GAL	38800	30	118.57	40.09	158.66	158.66	23.80	182.46	158.66			212.74	31.91	244.65		5.97	
91-105 FT		60	67.60	20.05	87.65	87.65	13.15	100.79	87.65	41.07	13.00	141.72	21.26	162.98	41.0	3.98	
		120	40.73	10.02	50.75	50.75	7.61	58.36	50.75	110 HP		104.82	15.72	120.55	AC/HR	2.94	
1250 GAL	49200	30	150.35	50.84	201.19	201.19	30.18	231.37	201.19			265.16	39.77	304.94		5.75	
100-110 FT		60	85.72	25.42	111.14	111.14	16.67	127.81	111.14	50.97	13.00	175.11	26.27	201.37	53.0	3.80	
		120	51.65	12.71	64.36	64.36	9.65	74.01	64.36	130 HP		128.32	19.25	147.57	AC/HR	2.78	
Average Rental Rate per Acre																	3.62
NOTE Cost of foam ranges from \$ 03-\$.25/ac.																	
For the cost of hauling water to the field add \$0.62/acre (assumes 7.5 gal/ac., 12 mile haul & \$5.00/1200 gal water cost). See Appendix A.																	
For the cost of hauling water to the field add \$0.95/acre if the water truck driver is paid for waiting time.																	
SWATHERS PT STANDARD																	
20-21 FT	21200	60	32.39	10.25	42.64	42.64	6.40	49.04	42.64			71.48	10.72	82.18		\$/AC	
		100	21.25	6.15	27.40	27.40	4.11	31.51	27.40	15.82	13.00	56.23	8.43	64.66	9.5	8.65	
		140	16.58	4.39	20.97	20.97	3.15	24.12	20.97	55 HP		49.79	7.47	57.26	AC/HR	6.81	
24-25 FT	23100	60	35.30	11.17	46.46	46.46	6.97	53.43	46.46			75.29	11.29	86.58		7.53	
		100	23.16	6.70	29.86	29.86	4.48	34.34	29.86	15.82	13.00	58.68	8.80	67.48	11.5	5.87	
		140	18.06	4.79	22.85	22.85	3.43	26.28	22.85	55 HP		51.67	7.75	59.42	AC/HR	5.17	
30 FT	25900	60	39.57	12.52	52.09	52.09	7.81	59.91	52.09			86.00	12.90	98.90		7.06	
		100	25.96	7.51	33.48	33.48	5.02	38.50	33.48	20.91	13.00	67.38	10.11	77.49	14.0	5.54	
		140	20.25	5.37	25.62	25.62	3.84	29.46	25.62	65 HP		59.53	8.93	68.45	AC/HR	4.89	
36 FT	29300	60	44.77	14.16	58.93	58.93	8.84	67.77	58.93			98.72	14.81	113.53		6.88	
		100	29.37	8.50	37.87	37.87	5.68	43.55	37.87	26.79	13.00	77.66	11.65	89.31	16.5	5.41	
		140	22.91	6.07	28.98	28.98	4.35	33.33	28.98	75 HP		68.78	10.32	79.09	AC/HR	4.79	
Average Rental Rate per Acre																	5.91
SWATH ROLLER																	
8 FT	1400	60	2.14	0.35	2.49	2.49	0.37	2.86	2.49			2.49	0.37	2.86		0.22	
		100	1.40	0.21	1.61	1.61	0.24	1.86	1.61			1.61	0.24	1.86	13.0	0.14	
		140	1.09	0.15	1.24	1.24	0.19	1.43	1.24			1.24	0.19	1.43	AC/HR	0.11	
10 FT	1700	60	2.60	0.43	3.02	3.02	0.45	3.48	3.02			3.02	0.45	3.48		0.27	
		100	1.70	0.26	1.96	1.96	0.29	2.25	1.96			1.96	0.29	2.25	13.0	0.17	
		140	1.33	0.18	1.51	1.51	0.23	1.74	1.51			1.51	0.23	1.74	AC/HR	0.13	
Average Rental Rate per Hour																	0.14
Average Rental Rate per Acre																	0.14
Average Custom Rate per Acre																	0.14

NOTE: The smaller sized bale wagons are not currently being manufactured. The above price is the last available (2002).

7.15

DRAWN EQUIPMENT- LIVESTOCK AND FORAGE

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST \$/HR.	REPAIR COST \$/HR.	TOTAL COST NO LABOUR \$/HR.	BASIC RENTAL COST \$/HR.	MARGIN \$/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS \$/HR.	POWER UNIT COST \$/HR.	LAB. COST \$/HR.	BASIC CUSTOM WORK RATES \$/HR.	MARGIN \$/HR.	CUSTOM RATE \$/HR.	WORK RATE	CALC. CUSTOM RATE
MANURE SPREADERS																
70-139	10800	60	21.97	4.50	26.47	26.47	3.97	30.44	26.47			55.30	8.29	63.59		
CUBIC FT.		80	17.58	3.38	20.96	20.96	3.14	24.10	20.96	15.82	13.00	49.78	7.47	57.25		
LEVEL		100	15.15	2.70	17.85	17.85	2.68	20.52	17.85	55 HP		46.67	7.00	53.67		
140-199	12200	60	24.82	5.08	29.90	29.90	4.49	34.39	29.90			58.73	8.81	67.54		
CUBIC FT.		80	19.86	3.81	23.68	23.68	3.55	27.23	23.68	15.82	13.00	52.50	7.87	60.37		
LEVEL		100	17.11	3.05	20.16	20.16	3.02	23.18	20.16	55 HP		48.98	7.35	56.33		
200-249	14500	60	29.50	6.04	35.54	35.54	5.33	40.87	35.54			69.45	10.42	79.87		
CUBIC FT.		80	23.61	4.53	28.14	28.14	4.22	32.36	28.14	20.91	13.00	62.05	9.31	71.35		
LEVEL		100	20.34	3.63	23.96	23.96	3.59	27.56	23.96	65 HP		57.87	8.68	66.55		
250-350	16000	60	32.55	6.67	39.22	39.22	5.88	45.10	39.22			79.01	11.85	90.86		
CUBIC FT.		80	26.05	5.00	31.05	31.05	4.66	35.71	31.05	26.79	13.00	70.84	10.63	81.47		
LEVEL		100	22.44	4.00	26.44	26.44	3.97	30.41	26.44	75 HP		66.23	9.93	76.17		
MOWER CONDITIONERS:																
SICKLE																\$/AC
9 FT	16400	50	35.91	8.20	44.11	44.11	6.62	50.73	44.11			71.52	10.73	82.24		18.28
		70	27.00	5.86	32.86	32.86	4.93	37.79	32.86	14.41	13.00	60.26	9.04	69.30	4.5	15.40
		90	22.24	4.56	26.80	26.80	4.02	30.82	26.80	45 HP		54.21	8.13	62.34	AC/HR	13.85
12 FT	27200	50	59.56	13.60	73.16	73.16	10.97	84.13	73.16			100.56	15.08	115.65		19.27
		70	44.78	9.71	54.50	54.50	8.17	62.67	54.50	14.41	13.00	81.90	12.29	94.19	6.0	15.70
		90	36.89	7.56	44.45	44.45	6.67	51.11	44.45	45 HP		71.85	10.78	82.63	AC/HR	13.77
14 FT	34000	50	74.45	17.00	91.45	91.45	13.72	105.16	91.45			120.27	18.04	138.31		19.76
		70	55.98	12.14	68.12	68.12	10.22	78.34	68.12	15.82	13.00	96.95	14.54	111.49	7.0	15.93
		90	46.11	9.44	55.56	55.56	8.33	63.89	55.56	55 HP		84.38	12.66	97.04	AC/HR	13.86
16 FT	35300	50	77.29	17.65	94.94	94.94	14.24	109.18	94.94			123.77	18.57	142.33		17.79
		70	58.12	12.61	70.73	70.73	10.61	81.33	70.73	15.82	13.00	99.55	14.93	114.48	8.0	14.31
		90	47.88	9.81	57.68	57.68	8.65	66.34	57.68	55 HP		86.51	12.98	99.48	AC/HR	12.44
Average Rental Rate per Acre								10.05	Average Custom Rate per Acre							15.33
MOWER CONDITIONERS:																
DISC																\$/AC
9 FT	22800	50	49.92	11.40	61.32	61.32	9.20	70.52	61.32			88.73	13.31	102.04		22.68
		70	37.54	8.14	45.68	45.68	6.85	52.53	45.68	14.41	13.00	73.09	10.96	84.05	4.5	18.68
		90	30.92	6.33	37.26	37.26	5.59	42.85	37.26	45 HP		64.66	9.70	74.36	AC/HR	16.53
12 FT	28700	50	62.84	14.35	77.19	77.19	11.58	88.77	77.19			104.60	15.69	120.29		20.05
		70	47.25	10.25	57.50	57.50	8.63	66.13	57.50	14.41	13.00	84.91	12.74	97.65	6.0	16.27
		90	38.93	7.97	46.90	46.90	7.03	53.93	46.90	45 HP		74.30	11.15	85.45	AC/HR	14.24
14 FT	37000	50	81.02	18.50	99.52	99.52	14.93	114.44	99.52			128.34	19.25	147.59		21.08
		70	60.92	13.21	74.13	74.13	11.12	85.25	74.13	15.82	13.00	102.96	15.44	118.40	7.0	16.91
		90	50.18	10.28	60.46	60.46	9.07	69.53	60.46	55 HP		89.29	13.39	102.68	AC/HR	14.67
Average Rental Rate per Acre								11.62	Average Custom Rate per Acre							17.22

DRAWN EQUIPMENT- LIVESTOCK AND FORAGE

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST \$/HR.	REPAIR COST \$/HR.	TOTAL COST NO LABOUR \$/HR.	BASIC RENTAL COST \$/HR.	MARGIN \$/HR.	RENTAL RATE /HR.	MACHINE COSTS \$/HR.	POWER UNIT COST \$/HR.	LAB. COST \$/HR.	BASIC CUSTOM WORK RATES \$/HR.	MARGIN \$/HR.	CUSTOM RATE \$/HR.	WORK RATE	CALC. CUSTOM RATE
MOWERS																
SICKLE, TRAILING																\$/AC
7 FT	7200	50	15.77	3.60	19.37	19.37	2.90	22.27	19.37			45.33	6.80	52.13		14.89
		70	11.85	2.57	14.43	14.43	2.16	16.59	14.43	12.97	13.00	40.39	6.06	46.45	3.50	13.27
		90	9.77	2.00	11.77	11.77	1.76	13.53	11.77	35 HP		37.73	5.66	43.39	AC/HR	12.40
9 FT	7600	50	16.64	3.80	20.44	20.44	3.07	23.51	20.44			46.41	6.96	53.37		11.86
		70	12.51	2.71	15.23	15.23	2.28	17.51	15.23	12.97	13.00	41.19	6.18	47.37	4.50	10.53
		90	10.31	2.11	12.42	12.42	1.86	14.28	12.42	35 HP		38.38	5.76	44.14	AC/HR	9.81
Average Rental Rate per Acre								4.32	Average Custom Rate per Acre							11.90
POST POUNDERS																
350 LB	8600	80	13.12	1.83	14.95	14.95	2.24	17.19	14.95			43.77	6.57	50.34		
HAMMER		100	11.20	1.46	12.66	12.66	1.90	14.56	12.66	15.82	13.00	41.49	6.22	47.71		
		200	10.05	1.22	11.27	11.27	1.69	12.96	11.27	55 HP		40.09	6.01	46.11		
450 LB	10400	80	15.87	2.21	18.08	18.08	2.71	20.79	18.08			46.90	7.04	53.94		
HAMMER		100	13.55	1.77	15.31	15.31	2.30	17.61	15.31	15.82	13.00	44.14	6.62	50.76		
		200	12.16	1.47	13.63	13.63	2.04	15.67	13.63	55 HP		42.45	6.37	48.82		
ELK/BISON	12300	80	18.77	2.61	21.38	21.38	3.21	24.59	21.38			61.17	9.18	70.35		
1300 LB		100	16.02	2.09	18.11	18.11	2.72	20.83	18.11	26.79	13.00	57.90	8.69	66.59		
HAMMER		200	14.38	1.74	16.12	16.12	2.42	18.54	16.12	75 HP		55.91	8.39	64.30		
Average Rental Rate per Hour								17.67								
ROTARY CUTTERS																
6 FT	7500	50	16.42	3.75	20.17	20.17	3.03	23.20	20.17			49.00	7.35	56.35		
3PH		70	12.35	2.68	15.03	15.03	2.25	17.28	15.03	15.82	13.00	43.85	6.58	50.43		
		90	10.17	2.08	12.26	12.26	1.84	14.09	12.26	55 HP		41.08	6.16	47.24		
6-7 FT HD	6800	50	14.89	3.40	18.29	18.29	2.74	21.03	18.29			47.11	7.07	54.18		
TRAILING		70	11.20	2.43	13.62	13.62	2.04	15.67	13.62	15.82	13.00	42.45	6.37	48.82		
		90	9.22	1.89	11.11	11.11	1.67	12.78	11.11	55 HP		39.94	5.99	45.93		
10 FT	12400	50	27.15	6.20	33.35	33.35	5.00	38.35	33.35			67.26	10.09	77.35		
TRAILING		70	20.42	4.43	24.84	24.84	3.73	28.57	24.84	20.91	13.00	58.75	8.81	67.56		
		90	16.82	3.44	20.26	20.26	3.04	23.30	20.26	65 HP		54.17	8.13	62.30		
15 FT	18100	50	39.63	9.05	48.68	48.68	7.30	55.98	48.68			88.48	13.27	101.75		
TRAILING		70	29.80	6.46	36.26	36.26	5.44	41.70	36.26	26.79	13.00	76.06	11.41	87.47		
		90	24.55	5.03	29.58	29.58	4.44	34.01	29.58	75 HP		69.37	10.41	79.78		
TRAILERS, LIVESTOCK																
16 FT	9000	100	9.62	1.80	11.42	11.42	1.71	13.14	11.42			65.30	9.80	75.10		
BUMPER		150	6.92	1.20	8.12	8.12	1.22	9.33	8.12	40.88	13.00	61.99	9.30	71.29		
		200	5.49	0.90	6.39	6.39	0.96	7.35	6.39	3/4 TON		60.27	9.04	69.31		
20 FT	14000	100	14.97	3.50	18.47	18.47	2.77	21.24	18.47			72.35	10.85	83.20		
GOOSENECK		150	10.76	2.10	12.86	12.86	1.93	14.79	12.86	40.88	13.00	66.74	10.01	76.75		
		200	8.54	1.50	10.04	10.04	1.51	11.55	10.04	3/4 TON		63.92	9.59	73.51		
TUB GRINDERS																
8 TON	35300	100	40.68	11.30	51.98	51.98	7.80	59.78	51.98			106.05	15.91	121.96		
		200	22.99	5.65	28.64	28.64	4.30	32.93	28.64	41.07	13.00	82.71	12.41	95.12		
		300	17.19	3.77	20.96	20.96	3.14	24.10	20.96	110 HP		75.03	11.25	86.29		
VERTICAL FEED MIXERS																
400-560	36200	100	41.72	11.58	53.30	53.30	8.00	61.30	53.30			107.38	16.11	123.48		
CU FT		200	23.58	5.79	29.37	29.37	4.41	33.77	29.37	41.07	13.00	83.44	12.52	95.96		
		300	17.63	3.86	21.49	21.49	3.22	24.72	21.49	110 HP		75.57	11.34	86.90		
600-1000	48100	100	55.44	15.39	70.83	70.83	10.62	81.45	70.83			134.80	20.22	155.02		
CU FT		200	31.33	7.70	39.02	39.02	5.85	44.87	39.02	50.97	13.00	102.99	15.45	118.44		
		300	23.43	5.13	28.56	28.56	4.28	32.84	28.56	130 HP		92.53	13.88	106.41		

DRAWN EQUIPMENT- MISCELLANEOUS

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES						
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST \$/HR.	REPAIR COST \$/HR.	TOTAL COST NO LABOUR \$/HR.	BASIC RENTAL COST \$/HR.	MARGIN \$/HR.	RENTAL RATE \$/HR.	TOTAL MACHINE COSTS \$/HR.	POWER UNIT COST \$/HR.	LAB. COST \$/HR.	BASIC CUSTOM WORK RATES \$/HR.	MARGIN \$/HR.	CUSTOM RATE \$/HR.	CALC. WORK RATE CUSTOM RATE
FRONT-END LOADERS															
FOR 50-100	6300	80	7.60	1.58	9.17	9.17	1.38	10.55	9.17			48.97	7.35	56.31	
HP. TRACTOR		100	6.32	1.26	7.58	7.58	1.14	8.71	7.58	26.79	13.00	47.37	7.11	54.47	
W/BUCKET		120	5.49	1.05	6.54	6.54	0.98	7.52	6.54	75 HP		46.33	6.95	53.28	
FOR 70-140	7800	80	9.41	1.95	11.36	11.36	1.70	13.06	11.36			57.21	8.58	65.79	
HP. TRACTOR		100	7.82	1.56	9.38	9.38	1.41	10.79	9.38	32.85	13.00	55.23	8.28	63.52	
W/BUCKET		120	6.79	1.30	8.09	8.09	1.21	9.31	8.09	95 HP		53.95	8.09	62.04	
FOR 150 +	10100	80	12.18	2.53	14.71	14.71	2.21	16.91	14.71			85.63	12.84	98.47	
HP. TRACTOR		100	10.13	2.02	12.15	12.15	1.82	13.97	12.15	57.92	13.00	83.06	12.46	95.52	
W/BUCKET		120	8.80	1.68	10.48	10.48	1.57	12.05	10.48	150 HP		81.40	12.21	93.61	
SCRAPERS															
5.5-6.5	22200	60	45.17	9.25	54.42	54.42	8.16	62.58	54.42			125.33	18.80	144.13	
YARD		80	36.14	6.94	43.08	43.08	6.46	49.54	43.08	57.92	13.00	114.00	17.10	131.10	
		100	31.14	5.55	36.69	36.69	5.50	42.19	36.69	150 HP		107.60	16.14	123.74	
8.5 YARD	31100	60	63.27	12.96	76.23	76.23	11.43	87.66	76.23			158.46	23.77	182.23	
		80	50.63	9.72	60.35	60.35	9.05	69.41	60.35	69.23	13.00	142.59	21.39	163.98	
		100	43.62	7.78	51.39	51.39	7.71	59.10	51.39	170 HP		133.63	20.04	153.67	
SNOW BLOWERS															
FRONT	18100	20	81.68	17.20	98.87	98.87	14.83	113.70	98.87			144.72	21.71	166.43	
MOUNT		40	45.36	8.60	53.96	53.96	8.09	62.05	53.96	32.85	13.00	99.81	14.97	114.79	
8 FT		100	23.58	3.44	27.01	27.01	4.05	31.07	27.01	95 HP		72.87	10.93	83.80	
REAR	5800	20	26.17	5.51	31.68	31.68	4.75	36.43	31.68			65.59	9.84	75.43	
MOUNT		40	14.54	2.76	17.29	17.29	2.59	19.88	17.29	20.91	13.00	51.20	7.68	58.88	
7 FT		100	7.55	1.10	8.66	8.66	1.30	9.95	8.66	65 HP		42.56	6.38	48.95	
REAR	6900	20	31.14	6.56	37.69	37.69	5.65	43.34	37.69			71.60	10.74	82.34	
MOUNT		40	17.29	3.28	20.57	20.57	3.09	23.66	20.57	20.91	13.00	54.48	8.17	62.65	
8 FT		100	8.99	1.31	10.30	10.30	1.54	11.84	10.30	65 HP		44.21	6.63	50.84	

APPENDIX A

Custom Grain and Hay Hauling

A. Hauling Grain from the Farm to Market

- a. Truck - 3 ton, 350 bushel: excluding labour costs \$105.98 /hour
 b. Auger - 7 inch, 40 ft. w/gas engine excluding labour costs \$14.20 /hour
 c. The labour rate is \$13.00 /hour
 d. Unload time: 10 minutes at elevator (truck engine and PTO running 5 minutes).

	3	6	9	12
Auger Costs per Load	\$4.73	\$4.73	\$4.73	\$4.73
Time in minutes	20	20	20	20
Truck Costs per Load	\$30.03	\$45.92	\$61.82	\$75.95
Time in minutes	17	26	35	43
(incl. 5 min. unload time)				
Labour Costs per Load	\$9.10	\$11.05	\$13.00	\$14.73
Total time in minutes	42	51	60	68
Total Cost per Load	\$43.86	\$61.70	\$79.55	\$95.41
Margin per Load (15%)	\$6.58	\$9.26	\$11.93	\$14.31
Custom Rate per Load (350 bu.)	\$50.44	\$70.96	\$91.48	\$109.73
Custom Rate per Bushel	\$0.14	\$0.20	\$0.26	\$0.31

The calculated custom rate is \$0.14/bushel for the first three miles plus \$0.019/bushel for each additional mile.
 \$0.019/bushel for each additional mile.

Note: This is for a three ton truck and will not be the same as for commercial trucking rates.

B. Hauling Seed to the Field

Assume

1. seeding 160 acres with 30' air seeder (12 hours)
2. three ton truck costs \$105.98/hour
3. truck running time includes - loading 5 minutes equals 0.08 hours
 - driving to and from field 15 min. equals 0.25 hours
 - running time in field 12 hrs.X 20% equals 2.40 hours

2.73 hours

The Truck Cost for 160 acres is \$105.98 /hour X 2.73 hours equals \$289.31
 The Trucking Cost per acre is \$289.31 /160 ac = \$1.81 per acre.

If one truck is used for fertilizer and one truck is used for seed then double the trucking cost per acre.

APPENDIX A

C. Hauling Grain from the Field to Yard

- a. Truck - 3 ton, 350 bushel truck excluding labour costs \$105.98 /hour
 b. Auger - 7 inch X 40' with gas engine excluding labour costs \$14.20 /hour
 c. Labour rate \$13.00 /hour
 d. Unload time: 11 minutes at bin (truck engine and PTO running)

(1) Time Use

Distance: Field to yard in miles	0.5	1	1.5	2	3	4
Travel Time to Yard and Return (min)	4	6.5	8.5	10	12	15
Total Unload Time at Bin (min)	11	11	11	11	11	11
Time truck running during unload (min)	5	5	5	5	5	5
Time unload twice from one combine or once from each of two combines (min)	10	10	10	10	10	10
Time per Trip Truck Running (min)	19	21.5	23.5	25	27	30
Waiting Time in Field (truck not running)						
(a) hauling from one combine (min)	47	44.5	42.5	41	39	36
(b) hauling from two combines (min)	11	8.5	6.5	5	3	0
Total Time per Trip						
(a) hauling from one combine (min)	72	72	72	72	72	72
(b) hauling from two combines (min)	36	36	36	36	36	36
(2) Component Costs per Trip						
(a) Truck Costs/Trip	\$33.56	\$37.97	\$41.51	\$44.16	\$47.69	\$52.99
(b) Auger Costs/Trip	\$2.60	\$2.60	\$2.60	\$2.60	\$2.60	\$2.60
(c) Labour Costs/Trip - one combine	\$15.60	\$15.60	\$15.60	\$15.60	\$15.60	\$15.60
(d) Labour Costs/Trip - two combines	\$7.80	\$7.80	\$7.80	\$7.80	\$7.80	\$7.80
(3) Custom Rate \$/Hr. (incl. 15% margin)						
- hauling from one combine	\$49.60	\$53.84	\$57.22	\$59.76	\$63.15	\$68.22
- hauling from two combines	\$84.26	\$92.72	\$99.49	\$104.57	\$111.34	\$121.50
(4) Custom Rate \$/Bus. (incl. 15 % margin)						
- haul from one combine bu/hr : 300	\$0.17	\$0.18	\$0.19	\$0.20	\$0.21	\$0.23
- haul from two combines bu/hr 600	\$0.14	\$0.15	\$0.17	\$0.17	\$0.19	\$0.20

The calculated custom rate for hauling from one combine is \$0.18 for the first mile and \$0.16 for each additional mile.

The calculated custom rate for hauling from two combines is \$0.15 for the first mile and \$0.16 for each additional mile.

APPENDIX A

D. Hauling Large Round Bales from Field to Yard

The following cost calculation of hauling large round bales from the field to the yard includes the cost of a large round bale mover, tractor and labour. The large round bale mover can pick up large round bales in the field, transport them to the yard and unload them automatically.

Assume

- a. 8 bale large round bale mover \$ 75.28 /hour custom rate
- b. 65 horsepower tractor
- c. Two mile haul takes 30 minutes (4 miles round trip) (16 bales per hour)
- d. Six mile haul takes 60 minutes (12 mile round trip) (8 bales per hour)

Cost per bale - two mile haul	\$ 75.28 =	\$ 4.71
	16	
Cost per bale - six mile haul	\$ 75.28 =	\$ 9.41
	8	

Assume

- a. 14 bale large round bale mover \$ 126.30 /hour custom rate
- b. 110 horsepower tractor
- c. Two mile haul takes 40 minutes (4 miles round trip) (21 bales per hour)
- d. Six mile haul takes 70 minutes (12 mile round trip) (12 bales per hour)

Cost per bale - two mile haul	\$ 126.30 =	\$ 6.01
	21	
Cost per bale - six mile haul	\$ 126.30 =	\$ 10.52
	12	

E. Hauling Water for Field Spraying - Cart Sprayer

	2.5gal/acre		5gal/acre		7.5gal/acre		10gal/acre	
	part time	full time	part time	full time	part time	full time	part time	full time
	driver	driver	driver	driver	driver	driver	driver	driver
Assume								
ac sprayed per hr ave of 80' and 100' booms	42.0	42.0	40.0	40.0	38.0	38.0	36.0	36.0
labour cost/hr	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
3 ton truck cost per hour	105.98	105.98	105.98	105.98	105.98	105.98	105.98	105.98
truck hauls 1200 gal/load	1200	1200	1200	1200	1200	1200	1200	1200
acres per load = 1200 gal/(gal/ac)	480	480	240	240	160	160	120	120
hours per load = 1200gal/(gal/ac)/(ac/hr)	11.43	11.43	6.00	6.00	4.21	4.21	3.33	3.33
3 ton driving time going for water (min)	13.3	13.3	25.3	25.3	36.0	36.0	45.5	45.5
driving time in the field (min)	1.8	1.8	3.5	3.5	5.0	5.0	6.3	6.3
total time minutes per 160 acres (min) *	15.1	15.1	28.8	28.8	41.0	41.0	51.8	51.8
3 Ton cost for 160 acres	26.67	26.67	50.87	50.87	72.42	72.42	91.49	91.49
labour cost for 160 acres	2.77	125.71	5.28	66.00	7.52	46.32	9.50	36.67
3 Ton and labour cost for 160 acres	29.44	152.38	56.15	116.87	79.93	118.73	100.99	128.16
add 15% margin	4.42	22.86	8.42	17.53	11.99	17.81	15.15	19.22
total cost of hauling for 160 acres	33.85	175.24	64.57	134.40	91.92	136.54	116.14	147.38
cost of purchase or pumping water for 160 ac **	1.67	1.67	3.33	3.33	5.00	5.00	6.67	6.67
cost per 160 acres for hauling and water	35.52	176.91	67.90	137.73	96.92	141.54	122.80	154.05
cost per acre of water hauling	0.22	1.11	0.42	0.86	0.61	0.88	0.77	0.96

* based on one load taking 41 minutes

** based on one load costing \$5.00

APPENDIX A

F. High Clearance Sprayer Transportation Costs

Assume:

1. 80 ft. sprayer does 800 ac/day; 90 ft. sprayer does 900 ac/day; 100 ft. sprayer does 1000 ac/day

2. Three ton truck costs 136.82 \$/hr

3. truck running time approx. 3 hrs/day

4. Trailer costs based on \$14000 are 12.86 \$/hr

5. Truck/trailer costs/day: 449.04 \$/hr

6. 80' sprayer 800 ac/day: \$0.56 \$/ac Transportation Costs

7. 90' sprayer 900 ac/day: \$0.50 \$/ac Transportation Costs

8. 100' sprayer 1000 ac/day: \$0.45 \$/ac Transportation Costs

Average: 0.50 \$/ac Transportation Costs

Note: Three ton truck costs include labour and margin

APPENDIX B**Self-Propelled Combine Classification (Current Models)**

<u>SIZE</u>	<u>AC/HR</u>	<u>MANUFACTURER</u>	<u>MODEL</u>
Class 5	<300hp/<250bu hopper 8-12 ac/hr	CNH	2577
		John Deere STS	9570
Class 6	Up to 300hp/<300 bu hopper 10-15 ac/hr	CNH	2588
		NH	CR 9040
		AgCo MF	9690
		AgCo Gleaner	R65
		John Deere STS	9670
		NH	CX 8070
Class 7	>300hp/300 bu hopper 15-18 ac/hr	John Deere	9660
		NH	CR 9060
		AgCo MF	9790
		AgCo Gleaner	R75
		John Deere STS	9770
		Cat Lexion	460
Class 7+	>350hp/>300 bu hopper 20+ ac/hr	NH	CX 8080
		CNH	AFX 7010
		NH	CR 9070
		NH	CX 8090
		CNH	AFX 8010
		John Deere STS	9870
		Cat Lexion	480
		AgCo MF	9895
		AgCo Gleaner	R85

Self-Propelled High Clearance Sprayers Classification (Current Models)

There is no official standard for the classification of high clearance sprayers. However, the following is commonly used by the industry. It is based on the product tank size of the sprayer in United States (U.S.) gallons.

- Class 1: 200 gallons – 499 gallons
- Class 2: 500 gallons – 649 gallons
- Class 3: 650 gallons – 899 gallons
- Class 4: 900 gallons – 1,200 gallons

APPENDIX C

Rental Rate Calculation Worksheet

Machine _____ Original Cash Cost \$ _____

Basic Rental Cost (Per Hour)

Fixed Costs: _____ x _____ = \$ _____ /hr (A)
 Rate/hr* Number of \$1,000 original cash cost

Repairs: _____ x _____ = \$ _____ /hr (B)
 Rate/hr* Number of \$1,000 original cash cost

Basic Rental Cost (A + B) = \$ _____ /hr (C)

Rental Margin = _____ x _____ = \$ _____ /hr (D)
 Suggested rate 15% Basic Rental Costs (C)

Rental Rate Per Hour (C + D) = \$ _____ /hr

* Refer to "Machinery Cost Calculation Guide" Appendix F, column D for fixed costs rate/hour, and column E for repair costs rate/hour.

APPENDIX D

Custom Rate Calculation Worksheet

Operation _____

Power Unit _____
Tractor, SP Machine

Original Cash Cost \$ _____

Machine _____
Tillage Implements, PTO Machine, Other

Original Cash Cost \$ _____

Power Unit Costs (Per Hour)

Fixed Costs _____ x _____ = \$ _____ /hr (1)
Rate/hr* Number of \$1,000 original cash costFuel _____ x _____ = \$ _____ /hr (2)
Litre/hr Price/LitreOil and Grease \$.40 x _____ = \$ _____ /hr (3)
100 HpRepairs** _____ x _____ = \$ _____ /hr (4)
Rate/hr* Number of \$1,000 original cash cost

Total Costs of Power Unit (1+2+3+4) = \$ _____ /hr (A)

Machine Costs (Per Hour)

Fixed Costs _____ x _____ = \$ _____ /hr (5)
Rate/hr* Number of \$1,000 original cash costRepairs** _____ x _____ = \$ _____ /hr (6)
Rate/hr* Number of \$1,000 original cash cost

Total Costs of Machinery (5+6) = \$ _____ /hr (B)

Labour Cost Per Hour = \$ _____ /hr (C)

Total Cost of Power Unit, Machine and Operator (A + B + C) = \$ _____ /hr (D)

Margin Per Hour _____ x \$ _____ /hr = \$ _____ /hr (E)
Suggested Rate 15% D

Custom Rate = Total Cost + Margin (D + E) = \$ _____ /hr (F)

Work Rate (acres/hr)*** = \$ _____ ac/hr (G)

Custom rate per acre*** (F/G) = \$ _____ /acre

*Refer to "Machinery Cost Calculation Guide" Appendix F, Column D for fixed costs rate/hr, and column E for repair costs rate/hr.

** If you use less than original cash cost in the repair calculation you will be underestimating repair costs.

*** Where appropriate, substitute other units (bales, tons) for acres.

APPENDIX E

Formulas Used in Calculations

A. **Fixed costs** per hour are the sum of (i) Depreciation, (ii) Investment Costs, (iii) Insurance and Housing.

$$\text{i) Depreciation/hr} = \frac{\frac{\text{Original Cash Cost}^* - \text{Salvage Value}^{**}}{\text{Years Lifetime}}}{\text{Annual Hours Use}}$$

$$\text{ii) Investment Cost/hr} = \frac{\frac{\text{Original Cash Cost}^* + \text{Salvage Value}^{**}}{2} \times 5.5\%^{***}}{\text{Annual Hours Use}}$$

$$\text{iii) Insurance and Housing/hr} = \frac{\text{Original Cash Cost}^* \times 1\%}{\text{Annual Hours Use}}$$

The short cut method calculates fixed costs on an hourly basis per \$1,000 of original cost.

$$\frac{\text{Original Cash Cost}}{1,000} \times \text{Applicable Cost Factor (from Appendix F, Column D)}$$

B. **Repair costs** are calculated on an hourly basis per \$1,000 of original cost.

$$\frac{\text{Original Cash Cost}}{1,000} \times \text{Applicable Cost Factor from Appendix F, Column E.}$$

C. **Acres per hour**

$$\text{Tillage Operations (82.5\% field efficiency)} = \frac{\text{Machine Width (ft.)} \times \text{Speed (m.p.h.)}}{10}$$

$$\text{Seeding and Harvesting (69\% field efficiency)} = \frac{\text{Machine Width (ft.)} \times \text{Speed (m.p.h.)}}{12}$$

* Original Cash Cost is the cash price you would pay for a new machine without a trade.

** Salvage value is assumed to be 10 per cent of Original Cash Cost.

*** 5.5 per cent interest rate assumes machine investment is 50 per cent borrowed and 50 per cent owned.
Refer to page i, Assumptions #1.

APPENDIX F
Machinery Cost Calculation Guide

MACHINE	A ANNUAL USE HOURS	B DEPRECIATION LIFE YEARS	C AVERAGE ANNUAL REPAIR RATE % ORIGINAL CASH COST	D FIXED COST/HOUR/ \$1000 ORIGINAL CASH COST	E REPAIR COST/HOUR/ \$1000 ORIGINAL CASH COST
AIR DISK DRILLS	100	17		0.9319	0.3000
AIR HOE DRILLS	150	15	3	0.6683	0.2000
AIR SEEDERS	200	13.5		0.5346	0.1500
BALE MOVERS	40	14.5		2.5580	0.6250
	80	12	2.5	1.4406	0.3125
	120	10.5		1.0497	0.2083
BALE PROCESSORS	100	12		1.1525	0.3200
	200	10	3.2	0.6513	0.1600
	300	8.5		0.4871	0.1067
BALE THROWERS	40	12		2.8813	0.5000
	80	10	2	1.6281	0.2500
	120	8.5		1.2178	0.1667
BALE WAGONS, PTO	60	17.5		1.5280	0.4833
	100	15	2.9	1.0025	0.2900
	140	13		0.7820	0.2071
BALE WAGONS, SP	60	17.5		1.5280	0.3333
	100	15	2	1.0025	0.2000
	140	13		0.7820	0.1429
BALERS, LARGE ROUND	30	14.5		3.4106	0.5000
	60	12	1.5	1.9208	0.2500
	90	10.5		1.3996	0.1667
BALERS, STANDARD	40	12		2.8813	0.5000
BALERS, LARGE	80	10	2	1.6281	0.2500
	120	8.5		1.2178	0.1667
COMBINES, PTO	120	13		0.9123	0.2667
	150	12	3.2	0.7683	0.2133
	180	11		0.6782	0.1778
	350	8.5		0.4175	0.0914
COMBINES, SP	120	13		0.9123	0.2667
	150	12	3.2	0.7683	0.2133
	180	11		0.6782	0.1778
	350	8.5		0.4175	0.0914
CULTIVATORS	150	17.5	CLAY-SAND	0.6112	0.3667
FIELD , H.D., WIDE BLADE	250	15	5.5	0.4010	0.2200
& ANHYDROUS AMMONIA	350	13	(3.0-8.0)	0.3128	0.1571
DISCERS &	100	17		0.9319	0.3000
DISKS, TANDEM	150	15	3	0.6683	0.2000
	200	13.5		0.5346	0.1500

APPENDIX F

Machinery Cost Calculation Guide

MACHINE	A ANNUAL USE HOURS	B DEPRECIATION LIFE YEARS	C AVERAGE ANNUAL REPAIR RATE % ORIGINAL CASH COST	D FIXED COST/HOUR \$1,000 ORIGINAL CASH COST	E REPAIR COST/HOUR \$1000 ORIGINAL CASH COST
DRILLS, SEED	100	17		0.9319	0.3000
DRILLS, ZERO TILL GRAVITY	150	15	3	0.6683	0.2000
	200	13.5		0.5346	0.1500
FERTILIZER SPREADERS	60	16		1.6083	0.5000
	80	15	3	1.2531	0.3750
	100	14		1.0454	0.3000
FORAGE HARVESTERS	40	14.5		2.5580	0.6250
	80	12	2.5	1.4406	0.3125
	120	10.5		1.0497	0.2083
FRONT END LOADERS	80	16		1.2063	0.2500
	100	15	2	1.0025	0.2000
	120	14		0.8711	0.1667
GRAIN AUGERS	25	18		3.6100	0.8000
GRAIN VACS	50	15	2	2.0050	0.4000
	75	13		1.4597	0.2667
	50	30		1.4050	0.4160
GRAIN CONVEYORS	100	25	2.08	0.7625	0.2080
	150	21		0.5540	0.1387
GRAIN DRYERS BATCH	100	18		0.9025	0.1250
	200	15	1.25	0.5013	0.0625
	300	13		0.3649	0.0417
GRAIN DRYERS CONTINUOUS	50	18		1.8050	0.2500
	100	15	1.25	1.0025	0.1250
	200	13		0.5474	0.0625
GRANULAR HERBICIDE APPLICATORS	60	16		1.6083	0.5000
	80	15	3	1.2531	0.3750
	100	14		1.0454	0.3000
GRINDER MIXERS	100	12.5		1.1225	0.3200
	200	10	3.2	0.6513	0.1600
	300	8.5		0.4871	0.1067
HARROWS, STANDARD	60	19.6		1.4361	0.4500
HARROWS, HEAVY	100	17	2.7	0.9319	0.2700
	140	15		0.7161	0.1929
HARROW PACKERS	60	19.6		1.4361	0.4500
	100	17	2.7	0.9319	0.2700
	140	15		0.7161	0.1929
HAY RAKES	50	13		2.1896	0.4000
	70	12	2	1.6464	0.2857
	90	11		1.3563	0.2222

APPENDIX F
Machinery Cost Calculation Guide

MACHINE	A ANNUAL USE HOURS	B DEPRECIATION LIFE YEARS	C AVERAGE ANNUAL REPAIR RATE % ORIGINAL CASH COST	D FIXED COST COST/HOUR \$1000 ORIGINAL CASH COST	E REPAIR COST/HOUR \$1000 ORIGINAL CASH COST
HEADERS: PICKUP, RIGID, FLEX, DRAPER	100 150 200 250 300	18 16 15 14 13	2.7	0.9025 0.6433 0.5013 0.4181 0.3649	0.2700 0.1800 0.1350 0.1080 0.0900
LAND ROLLERS	60	19.6		1.4361	0.4500
GRAIN CARTS	100 140	17 15	2.7	0.9319 0.7161	0.2700 0.1929
MANURE SPREADERS	60 80 100	11 10 9	2.5	2.0345 1.6281 1.4025	0.4167 0.3125 0.2500
MANURE SPREADERS LIQUID	120 140 160	11 10 9	2.5	1.0172 0.9304 0.8766	0.2083 0.1786 0.1563
MOWER CONDITIONER DISC OR SICKLE MOWERS	50 70 90	13 12 11	2.5	2.1896 1.6464 1.3563	0.5000 0.3571 0.2778
PLOWS	100 150 200	17.5 15 13	4	0.9168 0.6683 0.5474	0.4000 0.2667 0.2000
POST POUNDERS	80 100 120	11 10 9	1.7	1.5259 1.3025 1.1688	0.2125 0.1700 0.1417
ROCK PICKERS ROCK RAKES & COMBINATIONS	60 80 100	11 10 9	2.5	2.0345 1.6281 1.4025	0.4167 0.3125 0.2500
RODWEEDERS	60 100 140	17.5 15 13	2.5	1.5280 1.0025 0.7820	0.4167 0.2500 0.1786
ROTARY CUTTERS	50 70 90	13 12 11	2.5	2.1896 1.6464 1.3563	0.5000 0.3571 0.2778
SCRAPERS	60 80 100	11 10 9	2.5	2.0345 1.6281 1.4025	0.4167 0.3125 0.2500
SNOW BLOWERS	20 40 100	18 15 10	1.9	4.5125 2.5063 1.3025	0.9500 0.4750 0.1900
SPRAYERS, PTO SPRAYERS, TRUCK MOUNT	30 60 120	17.5 14 10.5	3.1	3.0560 1.7423 1.0497	1.0333 0.5167 0.2583

APPENDIX F Machinery Cost Calculation Guide

MACHINE	A ANNUAL USE HOURS	B DEPRECIATION LIFE YEARS	C AVERAGE ANNUAL REPAIR RATE % ORIGINAL CASH COST	D FIXED COST/HOUR \$1000 ORIGINAL CASH COST	E REPAIR COST/HOUR \$1000 ORIGINAL CASH COST
				0.5763	0.1750
SPRAYERS SP	200	12		0.4069	0.1167
HIGH CLEARANCE	300	11		0.3256	0.0875
	400	10	3.5	0.2805	0.0700
	500	9		0.2546	0.0583
	600	8			
				1.5280	0.4833
SWATHERS, PTO	60	17.5		1.0025	0.2900
	100	15	2.9	0.7820	0.2071
	140	13			
				1.5280	0.3667
SWATHERS, SP	60	17.5		1.0025	0.2200
	100	15	2.2	0.7820	0.1571
	140	13			
				1.5280	0.2500
SWATH ROLLERS	60	17.5		1.0025	0.1500
	100	15	1.5	0.7820	0.1071
	140	13			
				0.4263	0.1550
TRACTORS, 2WD	200	20		0.3160	0.1033
	300	16.5		0.2558	0.0775
	400	14.5		0.1825	0.0517
	600	13.0	3.1	0.1481	0.0388
	800	11.5			
				0.4263	0.1300
TRACTORS, 4WD	200	20		0.3160	0.0867
	300	16.5		0.2558	0.0650
	400	14.5		0.1825	0.0433
	600	13.0	2.6	0.1481	0.0325
	800	11.5			
				1.0692	0.2000
TRAILERS, LIVESTOCK	100	13.5		0.7683	0.1333
	150	12	2	0.6103	0.1000
	200	11			
				1.0692	0.2500
TRUCKS, GRAIN	100	13.5		0.7683	0.1667
	150	12	2.5	0.6103	0.1250
	200	11			
				0.6298	0.1550
TRUCKS, PICKUP	200	10.5		0.5210	0.1240
	250	10	3.1	0.4500	0.1033
	300	9.5			
				1.1525	0.3200
TUB GRINDERS	100	12		0.6513	0.1600
VERTICAL FEED MIXERS	200	10	3.2	0.4871	0.1067
	300	8.5			

APPENDIX G

Rental of Farm Buildings

You need to consider the following:

- Replacement cost of buildings
- Salvage value of buildings
- Investment rate of return
- Repair rate (% of replacement cost)*

Your farm

Example

\$20,000
\$8,000
5.5%

Calculations:

A. Return on Investment:

$$\frac{(\text{Replacement cost}) + (\text{Salvage value})}{2} \times (\text{investment rate}) =$$

B. Depreciation:

$$\frac{(\text{Replacement cost}) - (\text{Salvage value})}{\text{Years of service}} =$$

C. Insurance:

$$\text{Annual insurance premiums} =$$

D. Repairs:

$$\text{Annual repair cost}^* =$$

TOTAL

Example Calculation:

$$\text{A: } \frac{(\$20,000 + \$8,000)}{2} \times (5.5\%) = \$770$$

$$\text{B: } \frac{(\$20,000 - \$8,000)}{30} = \$400$$

$$\text{C: Annual premium} = \$60$$

$$\text{D: } \$20,000 \times 0.005 = \$100$$

$$\text{TOTAL} = \$1,330^{**}$$

* Repair rates are hard to estimate; steel buildings (bins and quonsets) might be 0.5 per cent of replacement cost per year, aeration fans might be higher, wood buildings might be one to three per cent of replacement cost.

**Divide by number of bushels of storage to get a cost per bushel.

APPENDIX H

Factors to Consider When Custom Hiring

Custom hiring is a business arrangement. The terms of the arrangement should be written in a formal agreement. If unwritten, the terms are more likely to be misunderstood in case of a dispute. The following should be considered in a custom hiring agreement.

Timeliness

Significant losses can occur if an operation is not started or completed on time. To facilitate planning, a custom hiring agreement should include a schedule of operations for both parties. For example, when the custom combiner is picking up swathed grain, the schedule would outline time periods for swathing by the owner and combining by the custom operator. Such a schedule would be subject to weather conditions and crop maturity.

Operations

The parties should write into the agreement the exact operations to be performed by each party and the machine, materials and labour to be supplied by each.

Rate Schedule

The custom operator should stipulate the rate for each operation to be performed on the basis of acreage, time (hour, day, week) or total operation performed.

Management

A custom hiring agreement should ensure that the custom operator will employ acceptable management practices in his/her operations.

Terms of Payment

A custom hiring agreement should stipulate terms of payment for custom operations. As well, the custom operator should bill the client upon the completion of each custom operation. The bill should indicate actual units (hours, acres, etc.) completed, the rate charged per unit, the total charge and payment due date.

Termination

A minimum period for notice of termination should be included in a custom hiring agreement. A penalty should be stipulated for unjustified termination within the term of the agreement.

Insurance

A custom operator may be considered differently than a farmer when insuring. It is advised that this point be clarified with the insurance company if one considers doing custom work or renting equipment.

Sample Custom Farming Agreement

Date: _____

Section A

_____, hereinafter referred to as the "custom operator", agrees to conduct the following types of machine operations on the described farm land of _____, hereinafter referred to as the "owner", located at _____ Saskatchewan, for the year 20_____.

Description of Machine Operation	Legal Location	Acres	Fee Per Acre
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Note: Be specific about what each machine operation includes (for example; harvesting - does it include swathing, combining with pickup and hauling the grain to the storage facility, or straight cutting the crop and hauling the grain to the storage facility?)

Section B

The custom operator agrees to complete the said machine operations according to the following schedule:

Machine Operations	Commencement Date	Completion Date
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Section C

If during the term hereof, any of the goods and chattels of the custom operator are seized by any creditor, this agreement is forfeited and void.

The term owner and custom operator shall include the executors, administrators and assigns of the owner and custom operator, respectively.

Payment is due upon completion of said machine operations. Overdue accounts past 30 days are subject to a two per cent per month interest charge.

Witness

Custom Operator

Witness

Owner

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